# Table of Contents

## 1.0 Safety
1.1 For Your Safety ................................................................. 08

## 2.0 Product Overview
2.1 Package Contents ............................................................... 09
2.2 Introduction ........................................................................ 10
2.3 Features ............................................................................ 11
2.4 Minimum System Requirements ......................................... 12
2.5 Hardware Overview ............................................................. 13
   2.5.1 Front Panel ................................................................. 13
   2.5.2 Back Panel ................................................................. 14
2.6 Remote Control ................................................................. 16
   2.6.1 Remote Control Overview ......................................... 16
2.7 Installation ......................................................................... 19
   2.7.1 Video Connections ..................................................... 19
   2.7.2 Audio Connections ..................................................... 21
   2.7.3 Network Connections ................................................ 23

// Popcorn Hour A-210
3.0 Quick Start

3.1 Viewing a Video ................................................................. 24
3.2 Basic Remote Control Buttons .............................................. 26
3.3 Basic Video Setup ............................................................... 27
3.4 Basic Audio Controls .......................................................... 29

4.0 Media Sharing

4.1 Installing Media Servers on your PC .................................... 30
  4.1.1 myiHome ................................................................. 30
  4.1.2 UPnP AV or DLNA Server ................................................. 31
  4.1.3 Windows Media Player Network Sharing Service (WMP-NSS) .... 32
  4.1.4 Third-Party HTML-based Servers ...................................... 33

4.2 Setting up Network Shares on your NMT .............................. 34
  4.2.1 Samba Share Setup ....................................................... 34
  4.2.2 NFS (Network File System) Shares Setup .......................... 35
4.3 Accessing your Network Shares on the NMT ............................................... 36
  4.3.1 Browsing Network Shares ................................................................... 36
  4.3.2 Permanent Network Shares ................................................................. 37

5.0 NMT Applications Installation
5.1 NMT Applications Installation .................................................................. 40

6.0 Using your Popcorn Hour A-210 NMT
6.1 Remote Control Functions ........................................................................ 43
6.2 Media Source (Main Menu) ...................................................................... 50
  6.2.1 Network .............................................................................................. 50
  6.2.2 Harddisk (Internal HDD) ..................................................................... 51
  6.2.3 USB .................................................................................................... 52
  6.2.4 CD/DVD/BD ...................................................................................... 53
6.3 Setup ............................................................................................................. 54
  6.3.1 Preferences ......................................................................................... 55
  6.3.2 Audio/Video ....................................................................................... 56
    6.3.2.1 Video Mode Options ................................................................. 56
    6.3.2.2 Audio Mode Options ................................................................. 60
  6.3.3 Network .............................................................................................. 61
  6.3.4 Network Share .................................................................................. 62
  6.3.5 NMT Applications .......................................................................... 63
  6.3.6 DVD/Audio CD ................................................................................. 65
  6.3.7 Maintenance ..................................................................................... 66
  6.3.8 Firmware and NMT Applications Update ...................................... 67
  6.3.9 USB Method (Offline) ................................................................. 69
  6.3.10 NMT Applications Installation/Update ..................................... 71

6.4 Web Services .......................................................................................... 73
  6.4.1 Internet Radio ..................................................................................... 74
  6.4.2 MSP (Media Service Portal) ............................................................. 75
  6.4.3 MSP Community ............................................................................. 76
7.0 Configuring the NMT Applications

7.1 NAS (Network-Attached Storage) Functions ................................................................. 78
    7.1.1 FTP Server ............................................................................................................. 78
    7.1.2 SMB Server .......................................................................................................... 79
    7.1.3 NFS Shares (Network File System) ......................................................................... 80
        7.1.3.1 hanaWIN NFS Server .................................................................................. 80
        7.1.3.2 Setting up NFS Shares on Linux OS ............................................................... 80
    7.1.4 Syabas CE-HTML Server (myiHome) .................................................................... 81

7.2 Torrents Setup ............................................................................................................. 82
    7.2.1 Enable/Disable BitTorrent Downloading .............................................................. 84

7.3 Usenet Client Setup: NZBGet ..................................................................................... 85
    7.3.1 Setting up the NZBGet on the NMT .................................................................... 86
    7.3.2 Usenet: Working with NZBGet .......................................................................... 88
    7.3.3 Downloading ......................................................................................................... 89
8.0 Troubleshooting
8.1 Frequently Asked Questions (FAQs) ......................................................... 93
8.2 Technical Support Contact Information .................................................. 99
8.3 Accessories Installation ........................................................................ 100
8.3.1 Chassis Fan Installation .................................................................... 100

9.0 A-210 Technical Specifications
9.1 User Interface ...................................................................................... 101
9.2 Web Services ....................................................................................... 102
9.3 Supported Media File Formats .............................................................. 103
9.4 Hardware ............................................................................................ 107

Appendix A
10.1 Apps Market - Internet Connection Required ....................................... 110
10.2 NMJ - Required Internet Connection ................................................... 113
## 1.1 For Your Safety

<table>
<thead>
<tr>
<th>Message</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tip</strong></td>
<td>This is a useful tip in using the product</td>
</tr>
<tr>
<td><strong>Note</strong></td>
<td>This is a non-critical notice to the user</td>
</tr>
<tr>
<td><strong>Caution</strong></td>
<td>Failure to take or avoid a specific action could result in damage to the product or loss of data</td>
</tr>
<tr>
<td><strong>Warning</strong></td>
<td>Failure to take or avoid a specific action could result in injury</td>
</tr>
</tbody>
</table>
2.1 Package Contents

- Popcorn Hour A-210 NMJ (HDD not included)
- AC Adaptor
- HDMI cable
- AC power cord
- USB cable
- USB Slave cable
- Remote Control
Congratulations on your purchase of an award winning product that will enhance your home multimedia experience.

The Popcorn Hour A-210 Networked Media Tank (NMT) allows you to stream digital video, audio and photos from various sources for your enjoyment on your HDTV or Home Theater setup. You can stream or playback your digital media content from a variety of sources, such as your PC, Network Attached Storage (NAS), digital camera, USB mass storage devices (Flash drives, HDD, external CD/DVD drives), internal SATA HDD, directly from the Internet via the Media Service Portal and Apps Market.

Your NMT also serves as an NAS, supports Usenet downloading, and is also a BitTorrent peer-to-peer downloader to eliminate the need to switch on a PC or other devices for this purpose.

Feel free to browse through this user guide to know your NMT better and we hope that you, your family and friends have a great time with this amazing product.
2.3 Features

The Popcorn Hour A-210 NMT is the ultimate solution for your networked home entertainment environment. The A-210 allows you to configure your storage options, with the usage of the 2.5”, 3.5” SATA HDD and external CD/DVD drives. The HDMI 1.3a interface allows full support of videos up to 1080p and HD Audio pass-through for DTS HD-HR, DTS HD-MA, Dolby Digital Plus and Dolby TrueHD. The connectors and ports on the A-210 are laid out with your ease-of-use in mind, especially the USB ports on the front and back.

The Popcorn Hour A-210 supports the latest high bitrate video formats (MPEG2 MP@HL, H.264 HP@L4.1, VC-1 AP@L3 in TS of at least 40Mbps) to give you up to 1080p high-definition videos.

In line with the advances in Internet TV, the A-210 supports peer-to-peer Internet TV streaming technology from SayaTV, as well as popular unicast Internet TV such as YouTube, Revision 3 and Vuze via the Media Service Portal. Also new with the A-210 is the internet-radio feature, which allows you to listen to your favorite radio stations that are available online. In addition, with the Apps Market, get more apps to power your experience.

The A-210 firmware is upgradeable to support future media containers, codecs and features.

For detailed specifications of your NMJ and supported audio/video formats, refer to Chapter 9: Product Specifications.
### 2.4 Minimum System Requirements

- High-Definition (HD) or standard television (TV) with HDMI, S-Video, Component Video, or Composite Video input
- TV, Stereo, or HD Audio receiver with Optical Digital, Coaxial Digital, or Composite Audio input
- Wired or wireless network (wired 100Mbps or better network is recommended for networked media streaming)
- Connection to the Internet (for use with *Web Services*)

Listed below are the minimum requirements for installation of the *myiHome Media Server* software application on your PC.

- Pentium 233(MHz) or higher processor (Pentium III or higher recommended)
- Microsoft Windows® 2000, XP, Vista (32 or 64-bit); Mac OS X or Linux operating systems
- 512MB of RAM
- 100MB of available hard disk drive (HDD) space
2.5 Hardware Overview

2.5.1 Front Panel

1. **POWER LED**
   - **Ring light color**: White, Amber, Red, OFF (no light)
   - **Status**: Active, Video OFF, Standby, Power OFF

2. **USB Ports**
   - Connect a USB storage device to this port to access its media content.

3. **Reset Button**
   - Hardware reset, automatically set TV mode to AUTO for video output detection.
2.5.2 Back Panel

1. **HDMI (High-Definition Multimedia Interface) Connector**
   Use this to connect your HD TV (High Definition TV). (Video and Audio)

2. **S/PDIF Coaxial Digital Audio Connector**
   Use this connector to connect your NMT to your home audio system using the S/PDIF coaxial audio connector. (Audio only)

3. **USB Port**
   Connect USB storage devices to this port to access its media content.

4. **Ethernet (RJ-45) Port**
   Connect an Ethernet cable (RJ-45) to the Ethernet port and attach the other end to a router or hub on your LAN (Local Area Network).
15

5 S-Video Connector
Use this to connect your NMT to your TV using the S-Video connector. (Video only)

6 CVBS (Composite Video) Connector
Use this connector to connect your NMT to your TV using the yellow Composite Video connector. The Composite Video cable usually comes attached to Composite Audio connectors (red and white connectors). (Video only)

7 Composite Audio Connectors
Use these connectors to connect your NMT to your TV using the red and white Composite Audio connectors. These connectors usually come attached with the Composite Video connector (yellow connector). (Audio only)

8 Component Video Connectors
Use these connectors to connect your NMT to your TV set using component video connectors. The connectors are usually green, blue, and red in color. (Video only)

9 Power Supply Port
Connect the supplied power cord here in order to power your NMT.
2.6 Remote Control

2.6.1 Remote Control Overview

- **Power**
  
  Turns the NMT **ON**, **OFF**, or put on **Standby** mode.

- **FILE MODE**
  
  Displays the File and Folder customization options.

- **SETUP**
  
  Jumps to the Setup menu screen. During video playback, this button allows customization of the display output.

- **BT SUSPEND**
  
  This button is reserved for future use.

- **PAGE UP**
  
  Moves up a page when viewing a list of media files. Increases the volume during media playback.

- **PAGE DOWN**
  
  Moves down a page when viewing a list of media files. Decreases the volume during media playback.

- **TV MODE**
  
  Quick-access button to select a TV output resolution. See [Video Mode Options](#) for more information.

- **MUTE**
  
  Mutes the audio output.

- **EJECT**
  
  Ejects the disc of a CD/DVD/BD-ROM drive attached to the NMJ.

- **DELETE**
  
  To erase alphanumeric values during input.

- **CAPS/NUM**
  
  To switch between capitalized, numeric and non-capitalized letters during alphanumeric value input.

- **0-9**
  
  Alphanumeric Keypad
  
  Allows users to input alphanumeric characters. During video or audio playback, pressing a number will allow the user to jump to a percentage of the media. See [6.1 Remote Control Functions](#) for more information.
**RETURN**
Returns to the previous menu screen.

**SOURCE**
Returns to the Media Source screen.

**INFO**
Displays the timeline bar during media file playback. Press again to display the media file information such as the title, format, and so on.

**ENTER**
Selects the currently highlighted selection or plays the highlighted media file. (single file playback only)

**Directional Keypad (D-Pad)**
Allows you to navigate and highlight options or media files.

**A-B**
Allows users to repeat the playback of a self-defined portion or scene of your media file.

**MENU**
Jumps to the DVD Menu screen during DVD Playback.

**PREV**
Skips backward to the previous file/track.

**PLAY**
Plays the selected file/track.

**NEXT**
Skips forward to the next file/track.

**TITLE**
Opens the text input box for URL input while in a menu screen.

**REV**
Rewinds the current media playback. Press again to toggle 2x, 4x and 8x rewinding.

**STOP**
stops playback and returns to the menu screen.

**FWD**
Fast-forwards through the current media playback. Press again to toggle 2x, 4x and 8x fast-forwarding.

**REPEAT**
Sets the playback mode to REPEAT.

**ANGLE**
Scroll through different camera or viewing angles during playback. (only applicable for supported multiangle playback formats)

**PAUSE**
Pauses the current media playback.

**SLOW**
Slows down the playback of the current media playback.
TIME SEEK
Allows you to time-seek the current selected media for a jump to a particular playback time; hour:minute:second = 00:00:00 (use numeric buttons to input the desired playback time).

ZOOM
Toggles between available viewing options. See Remote Control Functions for more information.

SUBTITLE
Turns ON the subtitles and toggles through its options. (if available with your video playback).

MEDIA FILTERS
- **Video**: Filters the content to display video files only.
- **Music**: Filters the content to display music files only.
- **Photo**: Filters the content to display image files only.
- **ALL**: Displays all file types.

AUDIO
Toggles between the available audio modes.

Tip: Remote control not functioning - Try replacing the batteries with new ones. If problem persists, please refer to Chapter 8: Troubleshooting.
2.7 Installation

2.7.1 Video Connections

To connect your NMT to your television (TV) for video output, use one of the following options available on your NMT. All the video connectors are located at the rear panel of your NMT.

<table>
<thead>
<tr>
<th>Component Video</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Component Video Connector" /></td>
</tr>
<tr>
<td>Attach the COMPONENT video cable to the COMPONENT connectors of your NMT by matching the color coded connectors and ensure that the same is done for the opposite end into your TV input.</td>
</tr>
</tbody>
</table>

Note: This cable is not supplied with your NMT.

<table>
<thead>
<tr>
<th>S-Video</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="S-Video Connector" /></td>
</tr>
<tr>
<td>Attach the S-VIDEO cable to the S-VIDEO connector of your NMT and ensure that the same is done for the opposite end to your TV input.</td>
</tr>
</tbody>
</table>

Note: This cable is not supplied with your NMT.
Composite Video

Attach the yellow COMPOSITE video cable to the COMPOSITE connector of your NMT and ensure that the same is done for the opposite end to your TV input.

Nota: This cable is not supplied with your NMT.

HDMI

Attach the supplied HDMI cable to the HDMI connector of your NMT and ensure that the same is done for the opposite end to your TV input.

HDMI provides the best interface for your NMT and your High Definition TV as it is able to support a video mode of up to 1080p, with audio output as well.
2.7.2 Audio Connections

To connect your NMT to your TV or audio system for audio output, use one of the following options available on your NMT.

Note: The HDMI cable also carries your audio output on the same cable, thus a separate audio connection from your NMT to your TV is not required.

**Composite Audio**

<table>
<thead>
<tr>
<th>![Composite Audio Connector]</th>
<th>Attach the COMPOSITE audio cable to the red and white COMPOSITE connectors of your NMT and ensure that the same is done for the opposite end to your TV input.</th>
</tr>
</thead>
</table>

Note: This cable is not supplied with your NMT.

**Optical Digital Audio**

<table>
<thead>
<tr>
<th>![Optical Digital Connector]</th>
<th>Attach the optical audio connector into the OPTICAL connector on your NMT and ensure that the same is done for the opposite end to the audio input of your audio system.</th>
</tr>
</thead>
</table>

Note: This cable is not supplied with your NMT.
## Coaxial Digital Audio

|   | Attach the coaxial digital audio connector to the COAXIAL on your NMT and ensure that the same is done for the opposite end to the audio input of your audio system. |

*Note: This cable is not supplied with your NMT.*
2.7.3 Network Connections

Your NMT allows you to connect the unit to your network to expand its functionality and enhance your multimedia experience. Use one of the following connections to connect your NMT to your network.

<table>
<thead>
<tr>
<th>LAN (RJ-45 Ethernet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attach the LAN connector to the ETHERNET connector at the rear of your NMT and connect the opposite end of the LAN cable to a router on your network.</td>
</tr>
<tr>
<td>The LAN (RJ-45 Ethernet) cable connection is the recommended connection method as it allows faster access to and from your NMT.</td>
</tr>
<tr>
<td>For more information about the Ethernet functions on your NMT, refer to Chapter 7.1: Network.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wireless USB Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>You may purchase an optional wireless USB adapter such as the WN-150 to extend your NMT to wireless connection.</td>
</tr>
</tbody>
</table>

💡 Note: The wireless USB adapter is not supplied with your NMT.
This Quick Start chapter will guide you on how to set up your Popcorn Hour A-210 NMT to play your first video on your TV.

Movies, videos, music, photos, and other media stored on external storage devices such as flash memory drives or external hard disk drives (HDD) can be easily connected to your NMT via the available USB interface and played back on your TV.

3.1 Viewing a Video

Once the power supply and the appropriate cables have been connected to your NMT and TV, connect a USB external storage device (containing your desired video file) to your NMT using the USB port (available on the front and rear of your NMT).

Follow the steps below to play a video:

1. Power **ON** your NMT and allow it to boot up. The loading screen may flicker as the unit configures its video output to suit your TV.
2. At the Media Source screen, use the D-Pad on the remote control or front panel to scroll to the USB option, as shown below.

3. Press **ENTER** to select the USB option. Your USB external storage device is now activated for use with your NMJ.

💡 Note: If you have more than one USB storage device connected, you may choose to activate one of the devices from the given list.

4. Using the D-Pad, browse to the location of your video file.
5. Select the desired video file. Press **PLAY** or **ENTER** to start the playback of the chosen video file.

6. Press the **STOP** button to end the video playback. Repeat the steps above to play any other compatible media file.

### 3.2 Basic Remote Control Buttons

Here are some basic remote control buttons and their functions.

<table>
<thead>
<tr>
<th>Playback controls</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>◄</strong> PREV</td>
<td>Plays the previous file in the media list</td>
</tr>
<tr>
<td><strong>►</strong> PLAY</td>
<td>Plays the current selection and the other files in the media list</td>
</tr>
<tr>
<td><strong>►►</strong> NEXT</td>
<td>Plays the next file in the media list</td>
</tr>
<tr>
<td><strong>◄◄</strong> REV</td>
<td>Rewinds the current active playback file</td>
</tr>
<tr>
<td><strong>■</strong> STOP</td>
<td>Stops the current active playback file</td>
</tr>
<tr>
<td><strong>►►►</strong> FWD</td>
<td>Forwards the current active playback file</td>
</tr>
<tr>
<td><strong>↑</strong> PAGE UP</td>
<td>Increases the output volume of the NMT</td>
</tr>
<tr>
<td><strong>↓</strong> PAGE DOWN</td>
<td>Decreases the output volume of the NMJ</td>
</tr>
<tr>
<td><strong>●</strong> PAUSE</td>
<td>Pauses the current active playback file</td>
</tr>
<tr>
<td><strong>.jobs</strong> SOURCE</td>
<td>Returns to the Media Source screen</td>
</tr>
</tbody>
</table>
For a comprehensive list of remote control functions, refer to Chapter 6.1: Remote Control Functions.

### 3.3 Basic Video Setup

The video output resolution can be customized to fit your TV properly. To identify the best viewing resolution for your TV, refer to the user guide supplied with your TV.

To select the best video output resolution for your TV, follow the steps below.

1. At any menu screen, press **Setup** on your remote control.
2. At the Setup Screen, select the **Audio/Video** option to access the display options screen.
3. Select the **Video Output** option to choose a video output resolution for your TV.
4. Press **ENTER** to confirm your selection and save your selection by selecting **SAVE** (the **SAVE** button is located at bottom-right side of the Audio/Video menu).
Below is a list of some common output resolutions and their quick-access remote control buttons:

<table>
<thead>
<tr>
<th>Remote Control quick-access button</th>
<th>Video resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV Mode -&gt; 0</td>
<td>Auto (default)</td>
</tr>
<tr>
<td>TV Mode -&gt; 1</td>
<td>Component/Composite NTSC 480i</td>
</tr>
<tr>
<td>TV Mode -&gt; 2</td>
<td>Component/Composite PAL 576i</td>
</tr>
<tr>
<td>TV Mode -&gt; 4</td>
<td>Component 720p60</td>
</tr>
<tr>
<td>TV Mode -&gt; 5</td>
<td>Component 1080i60</td>
</tr>
<tr>
<td>TV Mode -&gt; 6</td>
<td>Component 1080p60</td>
</tr>
<tr>
<td>TV Mode -&gt; 7</td>
<td>HDMI/Component 720p60</td>
</tr>
<tr>
<td>TV Mode -&gt; 8</td>
<td>HDMI/Component 1080i60</td>
</tr>
<tr>
<td>TV Mode -&gt; 9</td>
<td>HDMI/Component 1080p60</td>
</tr>
</tbody>
</table>

Note: The TV MODE button allows you to perform an on-screen selection of an output resolution.

To use the quick-access buttons, press and release the **TV Mode** button, followed by pressing and releasing the corresponding numeric button.

For example, to get the output of HDMI 1080i60, press and release **TV Mode**, followed by pressing and releasing the numeric **8** button on the remote control.

For further information regarding the Video Setup of your NMT, see **Chapter 6.4.2.1: Video Mode Options**.
3.4 Basic Audio Controls

The audio volume output of your NMT can be controlled using the Page Up and Page Down buttons on the remote control during playback.

For the most natural sound output from your NMT, leave the volume at 0 (no signal boost). For volume control, increase or decrease the volume of your audio system to obtain a comfortable audio volume output.

Caution: Boosting the output volume of your NMT may cause audio distortion.
4.1 Installing Media Servers on your PC

4.1.1 myiHome

When it comes to digital content, there is always the hassle of organizing and presenting your content for playback. Showcasing your digital content is made simpler by having an organized media library.

The fundamental concept behind the myiHome Media Server has always been an easy to use, simple to navigate and quick to access method to showcase your contents.

myiHome is updated automatically when it detects new content. It also allows transcoding, which means that if the NMT does not support the reproduction of some form of native multimedia file for lack of proper codec, myiHome transcodes it on the computer to reproduce such content via network streaming. This way, you do not have to re-encode the file to another compatible format for use on the NMT.

To set up myiHome on your PC, follow the steps below.

1. Download the latest version of myiHome from:
   
   http://www.popcornhour.com/download/myihome/myihome.html
2. Once the download is complete, launch the installation program.

3. Follow the onscreen instructions to install the myiHome program.

4. Once the installation is complete, launch the program and follow the onscreen instructions to set up the myiHome program.

4.1.2 UPnP AV or DLNA Server

Your NMT will automatically detect all available UPnP AV compliant content servers on starting up and will list them on the Media Source screen. No additional setup is required on the unit itself.

It is possible to access attached USB storage devices remotely using your NMT. Browse to Setup>Network Share on your NMJ to see the USB storage devices attached to your PC.

The attached USB storage devices must be formatted with Ext2 / Ext3 or FAT16 / FAT32 in order to be compatible with your NMT. This will enable you to upload, change or execute files (NTFS and HFS formatted drives are read-only).

Tip: FAT16 and FAT32 formats have a file size limitation at 4 GB, which may pose a problem for large media files such as a DVD ISO with minimal compression.
Some servers may require additional authorization configuration on the server-side, such as the Windows Media Player Network Sharing Service (WMP-NSS) described below.

### 4.1.3 Windows Media Player Network Sharing Service (WMP-NSS)

WMP-NSS allows you to playback your PC’s media files using your NMT when both units are connected to your home LAN network.

To enable WMP-NSS playback on your NMT, the NMT has to be authorized using the WMPNSS application on your PC. Follow the steps below to set up the WMP-NSS.

1. Ensure that both your PC and NMT are connected to your LAN and switched on.

2. On your PC, launch the WMPNSS application, select the following menu options:

   **Options > Library > Configure Sharing**

3. Select the checkbox next to the **Share my media to** menu item. You should now have a list of detected devices to choose from on the menu (right-clicking a selected device listed on it will show you a list of options).
4. Select Properties to view details about each device. Find the device that matches the MAC address of your NMT and select **Allow** in the menu item for that device.

Note: To identify the MAC address of your NMT on the network, refer to **Setup > Network** on your NMT. The MAC address will be listed under Ethernet Configuration.

### 4.1.4 Third-Party HTML-based Servers

Your NMT supports HTML-based media stream extensions. User-developed media streaming servers are compatible with your NMT and you will be able to access media content from these streaming servers over the internet.

These open-source third-party streaming servers are available at:

<table>
<thead>
<tr>
<th>Server</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>WiZD for NMT</td>
<td><a href="http://jhue.users.sonic.net/">http://jhue.users.sonic.net/</a></td>
</tr>
<tr>
<td>SwissCenter</td>
<td><a href="http://swisscenter.co.uk">http://swisscenter.co.uk</a></td>
</tr>
<tr>
<td>Llink</td>
<td><a href="http://www.lundman.net/wiki/index.php/Llink">http://www.lundman.net/wiki/index.php/Llink</a></td>
</tr>
<tr>
<td>GB-PVR</td>
<td><a href="http://jhue.users.sonic.net/">http://jhue.users.sonic.net/</a></td>
</tr>
</tbody>
</table>
4.2 Setting up Network Shares on your NMT

A network share allows the NMT to stream media stored on external devices that are connected to the same network. Currently, the NMT supports network shares through Samba (SMB), File Transfer Protocol (FTP), and Network File System (NFS).

4.2.1 Samba Share Setup

To set up your NMT for Samba Sharing, navigate to Setup > Network Share. You can browse your SMB network and add the path to the list, or manually input the path to your SMB share by selecting the add button:
**smb://<hostname or ipaddr>/foldername**

### 4.2.2 NFS (Network File System) Shares Setup

To set up your NMT for NFS sharing, navigate to **Setup > Network Share**, and type in the full path to your NFS share, as shown below.

**smb://<hostname or ipaddr>/foldername** (colon after hostname is required)

With firmware 01-15-080330-14-POP-402 or newer you can select the protocol (TCP or UDP) used for the NFS connection:

**nfs://**  (UDP)

**nfs-tcp://**  (TCP)

Some firewalls, including the Microsoft® Windows XP firewall will block critical parts of UDP NFS server connections, even if correctly configured. If you experience a **No content found** error when using UDP, try switching to the TCP mode.

Some gigabit switches have problems with UDP, thus preventing data streaming (viewing files may appear to be unaffected). If you encounter this problem, try switching to the TCP mode.
4.3 Accessing your Network Shares on the NMT

4.3.1 Browsing Network Shares

To browse your connected Network Shares, go to **Media Source > Network Browser** and select WORKGROUP to see the available Network Shares on your network.

Various shared media servers on your network and Permanent Network Shares may also appear on the Media Source screen for easy selection.

💡 **Note:** Ensure that your NMT is connected to your network properly and the desired media servers or folders have been configured to allow sharing before browsing for Network Shares.
4.3.2 Permanent Network Shares

To ease the search of specific Network Shares on your network, you may bookmark them on your NMJ. Follow the steps below to add Permanent Network Shares to your NMT.

1. Go to **Setup > Network Share** and select the **add** button.

2. Enter the information into each category according to the type of Network Share that you want to add:
- **Share Name** - Enter a name for your Permanent Network Share. The name will be displayed on the Media Source screen if the Permanent Network Share is active.

- **URL** - Enter the path of the Permanent Network Share. Refer to Section 4.2 to obtain the correct paths according to the type of Network Share.

- **User Name** - Enter the login username of the Network Share that you want to access (if required).

- **Password** - Enter the login password of the Network Share that you want to access (if required).

Note: Network Shares are mounted and active after it has been selected in the Media Source or Network Browser screens. Only one Permanent Network Share can be active at a time.
Your NMT allows you to install an internal hard disk drive (HDD) to expand its capabilities. A HDD is required for installation of media applications on your NMT.

💡 Note: If you do not wish to use the NMT Applications on your Popcorn Hour A-210 NMT, you may skip this chapter.

Refer to the **Hard Disk Drive (HDD) Installation** to install a HDD.
Caution: The Fresh Setup installation option will ERASE ALL DATA on your HDD. Ensure that you backup important files on the HDD into separate storage media.

The **Typical Setup** will reinstall the NMT Application without erasing your HDD.

1. Switch **ON** your NMT and allow it to start up.

2. Ensure that the HDD is properly installed and recognized by your NMT.

3. Navigate to the Setup screen and select Maintenance.

4. At the Maintenance screen, select the NMT Setup Wizard and follow the onscreen instructions.

5. At the NMT Setup Wizard screen, choose a setup option (Typical Setup or Fresh Setup) and select Next to confirm option.

6. In the next screen, select Next to confirm the HDD selection.
7. Select Next to format your HDD using the ext3 format.

8. At the warning notice screen, read the message and ensure that the correct selections have been made. Select Next to go the NMT Setup Source screen.

9. At the NMT Setup Source screen, select Online or USB according to the source of the update NMT Applications file. To begin the NMT installation process, select Next. To perform a manual NMT Applications installation, download the latest firmware package from the NMT website and unzip the files into the root drive of a USB flash memory device.

For further information, see **Chapter 6.4.8: Firmware and NMT Applications Update**.

Note: For an automated installation procedure, select Online at the NMT Setup Source screen (ensure that your NMT is connected to the internet).

10. Your NMT will restart when the installation is completed. Your NMT is now ready for use with NMT Applications.
Important:
Please ensure that your Popcorn Hour A-210 NMT has been updated with the latest firmware. Firmware updates will ensure that your Popcorn Hour is compatible with the latest hardware and software available today.

This user guide is written for the Popcorn Hour A-210 NMT with firmware version:

02-03-0100918-21-POP-411-000 or newer.

Refer to Chapter 6.3.7: Maintenance section below for a guide on updating your firmware.
## 6.1 Remote Control Functions

<table>
<thead>
<tr>
<th>Button</th>
<th>Functions</th>
</tr>
</thead>
</table>
| ![Power](power_icon.png)  
POWER | Press once to put the NMT into **Standby** mode or to awaken the NMT from the **Standby** mode  
Press **Power > Eject** to reboot the NMT  
Press **Power > Delete** to turn off the NMT |
| ![File Mode](file_mode_icon.png)  
FILE MODE | Press once to display three options:  
- Add file to list  
- Create Folder  
- Rename File  
If you already have a file listed then you have further options:  
- Add to list  
- Remove from list  
- Copy listed items here  
- Move listed items here  
- Create folder  
- Clear list  
- Delete listed items  
- Rename file  
Press **Enter** on the highlighted file to confirm the selection. |
| ![Setup](setup_icon.png)  
SETUP | Press once to access the Setup menu screen  
During video playback, press this button once to see the video display options  
Press **Setup > Play** to disable the **Setup Page Lock** option |
| **BT SUSPEND** | This button is reserved for future use |
| **PAGE UP** | Moves up a page on a list of media files  
Increases the volume during media playback |
| **PAGE DOWN** | Moves down a page on a list of media files  
Decreases the volume during media playback |
| **USB DVDROM/EJECT** | Ejects an attached external CD/DVD-ROM drive  
Ends a media playback |
| **TV MODE** | Quick-access button to select a TV output resolution. See Video Mode Options for more information |
| **MUTE** | Mutes the audio output |
| **0 - 9 Alphanumeric Keypad** | Quick selection of media content according to their numbered listing on the menu screen  
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 |
<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DELETE</strong></td>
<td>To erase alphanumeric values during input</td>
</tr>
<tr>
<td><strong>CAPS/NUM</strong></td>
<td>To switch between capitalized, numeric and non-capitalized letters during alphanumeric value input</td>
</tr>
<tr>
<td><strong>RETURN</strong></td>
<td>Return to the previous menu screen</td>
</tr>
<tr>
<td><strong>SOURCE</strong></td>
<td>Returns to the Media Source screen</td>
</tr>
</tbody>
</table>
| **Directional Keypad (D-Pad)** | Allows you to navigate and highlight options or media files  
Partial time seek during movie playback (left and right directional keys only) |
| **ENTER**   | Selects the currently highlighted selection or plays the highlighted media file (single file playback only) |
| **INFO**    | Displays the timeline bar during media file playback.  
Press again to display the media file information such as the title, format, and other details |
| **HOME**    | Returns to the Media Filters menu screen of your currently selected Media Source  
During a DVD playback, this button enables or disables **Repeat A/B** |
<table>
<thead>
<tr>
<th>Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MENU</strong></td>
<td>Jumps to the DVD Menu screen during DVD playback to allow playback customization</td>
</tr>
<tr>
<td><strong>PREV</strong></td>
<td>Skips backward to the previous file/track</td>
</tr>
<tr>
<td><strong>PLAY</strong></td>
<td>Plays the selected file/track and continues to the next file/track on the list</td>
</tr>
<tr>
<td><strong>NEXT</strong></td>
<td>Skips forward to the next file/track</td>
</tr>
<tr>
<td><strong>TITLE</strong></td>
<td>Opens the text input box for URL input while in a menu screen</td>
</tr>
<tr>
<td><strong>REV</strong></td>
<td>Rewinds the current media playback</td>
</tr>
<tr>
<td><strong>STOP</strong></td>
<td>Stops playback and returns to the menu screen</td>
</tr>
<tr>
<td><strong>FWD</strong></td>
<td>Fast-forwards through the current media playback, continue pressing to toggle 2x, 4x and 8x fast-forwarding</td>
</tr>
<tr>
<td>Button</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| REPEAT | Repeats the current selected media file. During music playback, this button offers three playback modes:  
  - Press once: Chosen song is played repeatedly.  
  - Press twice: Playback will restart at the top of the list once the final song on the list is done playing.  
  - Press three times: Disables the Repeat modes. |
| ANGLE | Switches the camera or viewing angle during DVD playback (only applicable for supported multiangle DVD playback formats)  
(Switches the PMT for TS with multiple-PMT support) |
| PAUSE | Pauses the current media playback |
| SLOW | Slows down the playback of the current media playback |
| TIME SEEK | Allows you to time-seek the current selected media for a jump to a particular playback time;  
  hour:minute:second = 00:00:00  
(use numeric buttons to input the desired playback time) |
| AUDIO | Toggles between the available audio modes |

Tip: Replace the batteries with two new AAA batteries if the remote control is slow to respond or does not respond at all.
| **AA SUBTITLE** | Turns ON the subtitles and toggles through its options (if available with your video playback) More functions of the **Subtitle** button:  
- Press once for timing offset. Use the Left/Right D-Pad buttons to set the timing offset  
- Press twice to display the language used. Use the Left/Right D-Pad buttons to toggle between languages or turn subtitles OFF  
- Press three times to change the color of the subtitles. Use the Left/Right D-Pad buttons to change the colors  
- Press four times to display the subtitle size. Use the Left/Right D-Pad buttons to change the size  
- Press five times to change subtitle position. Use the Left/Right D-Pad buttons to lower/raise the subtitle position on the screen  
- Press the **Subtitle** button on the **Media Source** screen to display the time |
| **ZOOM** | Toggles between the available viewing options  
**During single file playback,** the **Zoom** button functions:  
- Press once and use the Left/Right D-Pad button to toggle between Actual Size, Fit To Screen, Crop or Full Screen  
- Press twice to Magnify the screen size. Use the Left/Right D-Pad buttons to reduce or zoom by 1% increments  
- Press three times to Pan/Scan. Use the Left/Right and Up/Down D-Pad buttons to move the display screen on the X-axis/Y-axis  
**During DVD Playback;**  
- During playback of a DVD/ISO file, press **Zoom** once, then use Left/Right D-Pad buttons to zoom in/out |
| **RED button** | Displays only **video** files (press twice to initiate NMJ setup) |
| **GREEN button** | Displays only **audio** files |
| **YELLOW button** | Displays only **image** files |
| **BLUE button** | Removes all Media Filters and displays all file formats |
Tip: The four media filter buttons may have extra functions depending on the applications used, such as third-party HTML servers and when browsing MSP portals. The extra functions will be displayed onscreen for easier reference when available.
6.2 Media Source (Main Menu)

This is the main selection menu where you may select the source of your media or access the network and setup menu.
Navi: D-Pad to scroll through available options and **ENTER** to confirm selected option.

6.2.1 Network

This option allows you to browse and activate available file servers on your network such as workgroup computers and network-attached storages (NAS).
6.2.2 Harddisk (Internal HDD)

This selection allows you to browse and select the media in the internal hard disk drive. This option will only accessible when one or more hard disk drives are installed and formatted in the NMT.
6.2.3 USB

This selection allows you to browse and select the media files in USB external storage devices attached to your NMT. This option will only be accessible when one or more USB external storage devices are connected to your NMT.
6.2.4 CD/DVD/BD

This selection allows you to browse and select the media in the CD/DVD/BD that you have inserted into the CD/DVD/BD-ROM drive. This option will only be accessible when a CD/DVD/BD-ROM drive has been installed into or attached to your NMT.
6.3 Setup

The Setup screen allows you to configure various options of your NMT.

A description of the available options on the Setup screen is listed below.

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home</td>
<td>Returns to the Media Source screen or the media list of the current media source.</td>
</tr>
<tr>
<td>Preferences</td>
<td>Allows you to configure general settings for your NMT.</td>
</tr>
<tr>
<td>Audio / Video</td>
<td>Displays settings for video output as well as video aspect ratio control.</td>
</tr>
<tr>
<td>Network</td>
<td>Displays current IP information and allows the configuration of network settings.</td>
</tr>
<tr>
<td>Network Share</td>
<td>Allows you to configure the media servers.</td>
</tr>
<tr>
<td>NMT Applications</td>
<td>Allows you to configure the settings for the BitTorrent client and other installed applications. This screen will only be enabled when a HDD has been installed into your NMT and the NMT Applications have been installed.</td>
</tr>
<tr>
<td>DVD / Audio CD</td>
<td>Allows you to configure the content parental control levels, the Autoplay function, the audio output and subtitles used when a DVD or CD player is connected to your NMT.</td>
</tr>
<tr>
<td>Maintenance</td>
<td>Displays the current device firmware information and allows you to check for firmware updates. The NMT Setup Wizard is also available on this screen.</td>
</tr>
</tbody>
</table>

Tip: Remember to select **SAVE** when your customization is complete to confirm your selections.
### 6.3.1 Preferences

This setup screen allows you to set your preferences for some features of the NMT.

<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language</td>
<td>Allows you to set the display language of your NMT.</td>
</tr>
<tr>
<td>Subtitle Language</td>
<td>Allows you to select the default subtitle language (if available) during video playback.</td>
</tr>
<tr>
<td>Play Mode</td>
<td>Allows you to set the repetition mode of your media during playback.</td>
</tr>
<tr>
<td>Photo Transition</td>
<td>Allows you to set the transition type when viewing photos in a folder.</td>
</tr>
<tr>
<td>Photo Interval</td>
<td>Allows you to set the time length that a photo will be displayed (up to 600 seconds).</td>
</tr>
<tr>
<td>Screen Saver</td>
<td>Allows you to set the idle time length before the screensaver displays.</td>
</tr>
<tr>
<td>Setup Page Lock</td>
<td>Allows you to lock the settings made on the Setup page to prevent accidental changes in the settings.</td>
</tr>
</tbody>
</table>

💡 Tip: To disable the Setup Page Lock, press **Setup > Play** on your remote control. Remember to **SAVE** your settings to confirm your selection.
6.3.2 Audio/Video

This option allows you to configure your NMJ to produce the best possible audio and visual experience for your enjoyment.

6.3.2.1 Video Mode Options

This setup screen allows you to customize the video output modes of your NMT to suit your TV or projector.

💡 Note: To use the quick-access buttons, press and release the TV Mode button, followed by pressing and releasing the corresponding numeric button.

For example, to get the output of HDMI 1080i60, press and release TV Mode, followed by pressing and releasing the numeric 8 button on the remote control.
<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
</table>
| Video Output | Allows you to select the video output mode and resolution of your NMT. Kindly refer to your TV or projector user manual to determine the best output resolution for the video display. There are three video modes available:  
  - Composite Mode  
  - Component Mode  
  - HDMI Mode  
For the Component and HDMI modes, you will be able to select the output resolution to better suit your TV. Shown below is a comparison of the resolution sizes. |
Listed below are the remote control quick-access buttons for some of the common TV resolutions.

<table>
<thead>
<tr>
<th>Quick-access button</th>
<th>Video resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV Mode -&gt; 0</td>
<td>Auto (default)</td>
</tr>
<tr>
<td>TV Mode -&gt; 1</td>
<td>Component/Composite NTSC 480i</td>
</tr>
<tr>
<td>TV Mode -&gt; 2</td>
<td>Component/Composite PAL 576i</td>
</tr>
<tr>
<td>TV Mode -&gt; 4</td>
<td>Component 720p60</td>
</tr>
<tr>
<td>TV Mode -&gt; 5</td>
<td>Component 1080i60</td>
</tr>
<tr>
<td>TV Mode -&gt; 6</td>
<td>Component 1080p60</td>
</tr>
<tr>
<td>TV Mode -&gt; 7</td>
<td>HDMI/Component 720p60</td>
</tr>
<tr>
<td>TV Mode -&gt; 8</td>
<td>HDMI/Component 1080i60</td>
</tr>
<tr>
<td>TV Mode -&gt; 9</td>
<td>HDMI/Component 1080p60</td>
</tr>
<tr>
<td>Feature</td>
<td>Description</td>
</tr>
<tr>
<td>------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Framerate Sync</td>
<td>Select a framerate sync for the video output if the playback shows an inconsistent or poor sync rate.</td>
</tr>
<tr>
<td>Video Zoom</td>
<td>Allows you to select the default video zoom output of your NMT.</td>
</tr>
<tr>
<td></td>
<td>Zoom options: Actual Size, Fit to Screen, Crop View and Full Screen View.</td>
</tr>
<tr>
<td>TV Type</td>
<td>Allows you to set the viewing aspect ratio to suit your TV or projector.</td>
</tr>
<tr>
<td></td>
<td>Please refer to the user manual supplied with your TV to determine the best viewing aspect ratio.</td>
</tr>
<tr>
<td>Colorspace</td>
<td>Allows you to choose a suitable colorspace for the NMJ display output.</td>
</tr>
</tbody>
</table>
6.3.2.2 Audio Mode Options

This setup screen allows you to customize the audio output modes to suit your TV or audio system.

<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI Audio</td>
<td>Allows you to enable or disable the HDMI audio when using a HDMI cable to connect your NMT and TV.</td>
</tr>
<tr>
<td>DTS</td>
<td>Allows you to configure your NMT DTS audio output as analog or digital.</td>
</tr>
<tr>
<td>AC3 (Dolby Digital)</td>
<td>Allows you to configure your NMT Dolby Digital audio output as analog or digital.</td>
</tr>
<tr>
<td>AAC</td>
<td>Allows you to configure your NMT AAC audio output as analog or digital.</td>
</tr>
<tr>
<td>WMA Pro</td>
<td>Allows you to configure your NMT WMA Pro audio output as analog or digital.</td>
</tr>
</tbody>
</table>

Note: Please ensure that your audio system is fully compatible with the selected output options. If there is no audio output after an audio setting has been changed, kindly reset the audio to the previous working option.
### 6.3.3 Network

This setup screen allows you to customize your NMT to work with your network.

<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode</td>
<td>Allows you to select the wired or Wi-Fi IP address assignment mode (auto or manual).</td>
</tr>
<tr>
<td>Time Zone</td>
<td>Allows you to select the time zone in which your NMT is located.</td>
</tr>
<tr>
<td>Time Server</td>
<td>Allows you to input the URL of the server that your NMT retrieves the day and time information. The default URL is set to pool.ntp.org.</td>
</tr>
<tr>
<td>Daylight Saving</td>
<td>Allows you to enable or disable Daylight Saving Time (only applicable to countries that practice daylight saving time).</td>
</tr>
<tr>
<td>MAC Address</td>
<td>The MAC address of your NMT is displayed here.</td>
</tr>
<tr>
<td>IP Address</td>
<td>Displays IP address of your NMT on your network.</td>
</tr>
<tr>
<td></td>
<td>Select the <strong>Configure IP</strong> option to configure an IP address for your NMT on your network, or the Configure Proxy option to configure the proxy settings of your NMT.</td>
</tr>
</tbody>
</table>
6.3.4 Network Share

Network Shares allow the NMT to stream media content stored on external devices connected together within the same local network. The NMT supports Samba (SMB), File Transfer Protocol (FTP), and Network File System (NFS) shares.

This setup screen allows you to configure the various media servers available for use on your NMT. For more information about the settings and options available, see Media Sharing.
6.3.5 NMT Applications

This screen allows you to set your NMT device name and workgroup for use on a Samba Workgroup as a Samba server. The Samba server allows your PC to access media or files stored on your NMT.

This screen also allows you to stop or start an application that has been installed and configured on your NMT. Press **ENTER** on your remote control to stop a running application or start a stopped application.

NMT Applications are network services that can be installed onto your NMT to further extend its functionality. The added network services are such as:

<table>
<thead>
<tr>
<th>Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPnP AV Server</td>
<td>This functions as UPnP AV server to share your NMT media to other UPnP AV clients.</td>
</tr>
<tr>
<td>myiHome Server</td>
<td>Allows you to access media files on your NMT over HTTP with a HTML-based UI.</td>
</tr>
<tr>
<td>FTP Server</td>
<td>File Transfer server.</td>
</tr>
<tr>
<td>Samba Server</td>
<td>Samba remote filesharing server.</td>
</tr>
<tr>
<td>NFS Server</td>
<td>NFS remote filesharing server.</td>
</tr>
<tr>
<td>Torrent</td>
<td>Allows you to perform and maintain BitTorrent downloads.</td>
</tr>
<tr>
<td>Usenet Client</td>
<td>Allows you to use the Usenet downloading service.</td>
</tr>
</tbody>
</table>
For **NMT Applications** installation, see **NMT Applications Installation**.

To set up the NMT Applications to function on your network, see **Configuring the NMT Applications**.
6.3.6 DVD/Audio CD

This setup screen allows you to configure the DVD and Audio CD settings of an attached external USB CD/DVD-ROM drive.

<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parental Control</td>
<td>Allows you to turn the parental control on or off.</td>
</tr>
<tr>
<td>Autoplay</td>
<td>Allows you to turn Autoplay on or off when a CD or DVD is inserted into the external USB CD/DVD-ROM drive.</td>
</tr>
<tr>
<td>Audio</td>
<td>Allows you to select the default language for your audio output from a DVD or CD.</td>
</tr>
<tr>
<td>Subtitle Language</td>
<td>Allows you to select the default language for the subtitles to be displayed when playing a DVD movie from the external DVD-ROM drive.</td>
</tr>
</tbody>
</table>
### 6.3.7 Maintenance

This setup screen allows you to view and perform maintenance of your NMT.

<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firmware Version</td>
<td>Displays your current NMT firmware version.</td>
</tr>
<tr>
<td>Kernel Version</td>
<td>Displays the current NMT kernel version.</td>
</tr>
<tr>
<td>NMT Version</td>
<td>Displays the current of your NMT Applications version.</td>
</tr>
<tr>
<td>Cardea License</td>
<td>Displays the Cardea license number (if available).</td>
</tr>
<tr>
<td>Check for firmware update</td>
<td>Select this option to allow your NMT to check for the latest firmware available. Your NMT has to be connected to the internet to use this function.</td>
</tr>
<tr>
<td>NMT setup wizard</td>
<td>Select this option to setup your NMT when a new HDD is installed into your NMT. This option will format your HDD to work with your NMT and install the required NMT Applications. Note: This setup wizard will erase all data in your HDD if a Fresh Setup is selected.</td>
</tr>
<tr>
<td>Reset to factory settings</td>
<td>Resets your NMT to its factory default settings.</td>
</tr>
</tbody>
</table>
6.3.8 Firmware and NMT Applications Update

There are two methods to update the firmware of your NMT. Choose one of the procedures below.

Caution: Do NOT attempt to turn off or restart your NMT when the unit is performing a firmware update, as doing so will damage your unit.

Online Method

Note: Both the firmware and NMT Applications updates are included in the firmware update file.

1. On your NMT, stop all torrents from uploading and downloading.

2. Stop all file copying/transfering and all network shares.

Note: Unplug all USB devices connected to your NMT.
3. Restart the unit.

💡 Note: To restart the unit, press the POWER button for 3 seconds to allow the internal HDD (if installed) to turn off. Once the POWER button ring light turns red, switch the unit off using the Power ON/OFF switch at the rear panel and unplugging the power cord. Wait for 60 seconds before reconnecting the power cord and switching the unit on using the Power ON/OFF switch. Press the POWER button to start the NMT. Once the Media Source screen appears on your TV, the restart is completed.

4. Ensure that your NMT is connected to the Internet.

5. Go to **Setup > Maintenance > Update** and select **Check for Firmware Update**.

6. Allow the unit to check for updates and perform them if there are updates available (this may take up to a few hours depending on your Internet connection speed and bandwidth).

7. Your NMT will restart when the update is completed and the NMT Applications Setup will begin if you have an internal HDD installed.
6.3.9 USB Method (Offline)

To update your NMT without using the **Check for Firmware Update** function, follow the steps below.

- **Note:** Both the firmware and NMT Applications updates are included in the firmware update file.

1. Using your PC and an Internet connection, download the latest firmware updates from the link below.


2. Once the download is complete, unzip the files into the root folder of a USB flash memory device. Please ensure that the file `usbupdate-firmware release date.html` is present on the USB flash memory device.

3. On your NMT, stop all torrents from uploading and downloading.

4. Stop all file copying/transfering and all network shares.

- **Note:** Unplug all USB devices connected to your NMT.
5. Restart the unit.

Note: To restart the unit, press the POWER button for 3 seconds to allow the internal HDD (if installed) to turn off. Once the POWER button ring light turns red, switch the unit off using the Power ON/OFF switch at the rear panel and unplugging the power cord. Wait for 60 seconds before reconnecting the power cord and switching the unit on using the Power ON/OFF switch. Press the POWER button to start the NMT. Once the Media Source screen appears on your TV, the restart is completed.

6. Plug the USB flash memory device into a USB port on your NMT. Use the Media Source screen to select the USB flash memory device.

7. Locate the file `usbupdate-firmware release date.html` and press ENTER on the remote control to select it.

8. A screen with the firmware version will be displayed. Press ENTER again to start the firmware update.

9. Do NOT turn off your NMT while the update is running, as it will cause your NMT to stop working.

10. Your NMT will restart when the update is completed.
6.3.10 NMT Applications Installation/Update

To update or reinstall the NMT Applications on your NMT, follow the instructions below.

1. Using your PC and an Internet connection, download the latest update file from the link below.


2. Once the download is complete, unzip the files into the root folder of a USB flash memory device. Please ensure that the file `apps.nmt` is present on the USB flash memory device.

3. On your NMT, stop all torrents from uploading and downloading.

4. Stop all file copying/transfering and all network shares.

   🕯️ Note: Unplug all USB devices connected to your NMT.

5. Restart the unit.
Note: To restart the unit, press the POWER button for 3 seconds to allow the internal HDD (if installed) to turn off. Once the POWER button ring light turns red, switch the unit off using the Power ON/OFF switch at the rear panel and unplugging the power cord. Wait for 60 seconds before reconnecting the power cord and switching the unit on using the Power ON/OFF switch. Press the POWER button to start the NMJ. Once the Media Source screen appears on your TV, the restart is completed.

6. Plug the USB flash memory device into a USB port on your NMT.

7. On your NMT, browse to Setup > Maintenance > NMT Setup Wizard.

8. Select Typical Setup, press Next, then select USB as the setup source. Press Next to reinstall or update the existing NMT Application on your NMT.

9. Do NOT turn off your NMT while the update is running, as it will cause your NMT to stop working.

10. Your NMT will restart when the update is completed.
6.4 Web Services

This option allows you to connect to Internet-based services such as the Internet Radio, Media Service Portal (MSP), view the BitTorrent status screen, and access URLs from your most frequently visited web service sites.

Press the **MENU** button to add and/or edit web services on your NMT, as shown below.
6.4.1 Internet Radio

The Internet Radio screen allows you to tune into available internet radio stations.
6.4.2 MSP (Media Service Portal)

The Media Service Portal allows you to access popular unicast web-based media content such as YouTube, Picasaweb and Flickr using your NMT.

![MSP Interface](Image)
6.4.3 MSP Community

The MSP Community is a web community containing user-developed plugins.

For more information about the MSP Community, kindly refer to:

http://www.networkedmediatank.com/wiki/index.php/Web_Services
6.4.4 Torrent

The Torrent screen allows you to view and control the status of your BitTorrent downloads.

Note: This option requires the installation of a HDD and the NMT Applications. For more information about BitTorrent downloads, see Torrent Setup.
7.1 NAS (Network-Attached Storage) Functions

7.1.1 FTP Server

The FTP service allows for simple and convenient file transfer to and from your NMT.

1. Connect with an FTP client, such as FileZilla.

2. Use the following settings and credentials:

   - **Host**: IP address of your NMT
   - **Port**: 21
   - **Username**: ftpuser
   - **Password**: 1234
7.1.2 SMB Server

Samba Share (SMB) is one of the most common ways to share files over a network. SMB can be used for streaming your media files as well.

1. Connect to the NMT with the unit’s IP address or browse to the SMB host name; for example `\PCH-C200`.

2. Use the following credentials:

   Username : nmt
   Password  : 1234
7.1.3 NFS Shares (Network File System)

7.1.3.1 haneWIN NFS Server

For information on the haneWIN NFS Server, visit http://www.hanewin.net/

7.1.3.2 Setting up NFS Shares on Linux OS

Follow the steps below to set up a NFS share on Linux OS.

1. Configure the kernel to include the NFS file-system and server support.

2. Edit the /etc/exports file and add the following commands as a new line:

   
   <access path> <allowed IP address range+permissions>

   For example: /home/share 192.168.0.0/24(rw)

   This will share the /home/share folder to everyone in the 192.168.0.x network with Read and Write (rw) permissions.

3. Run /usr/sbin/exportfs -a to update the changes.
7.1.4 Syabas CE-HTML Server (myiHome)

Showcasing your digital content is made simpler by having an organized media library.

The myiHome Media Server is a proprietary server software designed for your PC to ease the sharing of your media with your NMT.

Popcorn Hour provides the myiHome software for use with your NMT, and it can be downloaded from:

http://www.popcornhour.com/download/myihome/myihome.html

Once the myiHome software is installed on your PC, it should be automatically detected by your NMT, and added to the list on your Media Source screen.
To setup your NMT to perform BitTorrent downloads, you must first have the NMT Applications installed on your NMT. The supplied BitTorrent client is accessible using your PC connected to the NMT via network. Follow the steps below to access the BitTorrent client:

1. On your PC, use a web browser to access the BitTorrent client on the NMT. Type the following address in the URL address bar of the web browser:

   \[http://NMT-IP:8883/torrent/bt.cgi\]

   (where NMT-IP is the IP address of your NMT on your network, for example 192.168.2.2.)
2. At the BitTorrent client GUI, click on **Browse** and select the torrent file that you have downloaded to your PC earlier.

3. Once the torrent file is selected, click on **Upload** to add the torrent file to the torrent list on your NMT. The BitTorrent client will start the torrent download if the Torrent option on your NMT is enabled.

4. Other functions available such as the Scheduler can be used to schedule torrent downloads and set their upload/download limits, or the Setting screen to customize the BitTorrent client.

💡 **Note:** The NMT 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.
7.2.1 Enable/Disable BitTorrent Downloading

The BitTorrent client runs as a service on the NMT and installed together with the NMT Applications package.

To enable or disable the BitTorrent service, follow the steps below:

1. Go to **Setup > NMT Applications**.

2. In the list of installed NMT Applications, locate the Torrent application and notice its status.

3. If the status is labeled **Start**, it means that the BitTorrent client is currently disabled. Select **Start** to enable it or **Stop** to disable the BitTorrent client.
### 7.3 Usenet Client Setup: NZBGet

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 NMT and the files can be downloaded straight into the NMT.

To run the NZBGet application you need access to a Usenet provider. Your ISP may have a news server that you can access, or you can have a separate Usenet account on a **pay-server**. Usenet accounts vary in prices from a few dollars up to $35 a month depending on your needs. There are many Usenet servers to choose from, and here is a list provided by Google:

http://www.google.co.uk/search?q=usenet+provider+comparison

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.
7.3.1 Setting up the NZBGet on the NMT

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.

💡 Note: 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 text editor.

💡 Note: To edit the nzbget.conf file, use 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):

```bash
server1.port=119
```

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

```bash
server1.username=USERNAME
```

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

```bash
server1.password=PASSWORD
```

# Maximum number of simultaneous connections to this server:

```bash
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**).
7.3.2 Usenet: Working with NZBGet

Working with NZBget is simple and quick. Connect to the NZBGet web GUI from a browser via http://ip.of.your.nmt:8066.

Note: If the IP address of your NMT is 192.168.1.100, type http://192.168.1.100:8066 in the address bar of your web browser.

To log in, use the following access username and password:

User ID : nmt
Password : 1234
You will now see the NZBGet web GUI, as shown below:

[Image of NZBGet web GUI]

<table>
<thead>
<tr>
<th>Name</th>
<th>Download Rate</th>
<th>Left</th>
<th>Remaining Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>My Kids Performance Day</td>
<td>0KB/s</td>
<td>4.52 GB</td>
<td></td>
</tr>
</tbody>
</table>

choose a file to upload:

Upload File

Upload status:

Max download rate

New rate: 0

NZBGet version 0.4.1

uptime: 0:36:21

download time: 0:36:21

average download rate: 0KB/s

total downloaded: 0 MB

free disk space: 2.06 GB

pause resume refresh logout one-click groups files

Next update in 6 seconds
7.3.3 Downloading

To perform a download, upload your NZB file by clicking on the Choose… button and browsing to the NZB file, as shown below.

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 to allow NZBGet to ensure 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 a 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 NMT is able to unpack **.RAR** packed files and also unpack **.RAR** files nested inside of **.RAR** packs.

With the GUI you will be able to pause, delete, and move your downloads. You may set the file download priority of important file 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 NMT’s HDD and will be in a folder that has the same name as the NZB file you uploaded, so be sure to give your NZB files descriptive names to ease identification.
For more information and download optimization tips, kindly refer to:

8.1 Frequently Asked Questions (FAQs)

This collection of frequently asked questions (FAQs) provides brief answers to many common questions about the Popcorn Hour A-210 NMT.

Q1: Why can’t I play my DVD .iso file using myiHome?

myihome does not support DVD playback. Please use the SMB/NFS functions for DVD .iso playback.

Q2: My Popcorn Hour A-210 NMT will not start after resetting it using the factory default settings function.

The factory default setting function will reset your video display to the Auto mode, which may not be compatible with your TV or projector. Refer to Video Mode Options to change your display mode to suit your TV or projector.

Q3: There is no display or video output after waking up the Popcorn Hour A-210 NMT from Standby mode.

This is because the Video output mode has been changed using the TV MODE key and the settings were not saved. Go to Setup > Audio/Video to configure the Video Output mode again and save the settings using the SAVE button.
Q4: (HDMI Mode) During initial setup, no display or video signal detected.

1. Disconnect the HDMI connection and connect your NMT to your TV using a Composite Video connection

2. Restart the NMT and wait for the loading screen to appear

3. Wait until the screen goes blank

4. Press TV MODE -> 1 for NTSC or TV MODE -> 2 for PAL on your remote control to force a video output mode.

5. Once the menu screen is visible, go to Setup > Audio/Video and set up the proper HDMI output mode for your TV and then SAVE the selection.

6. Remove the Composite Video connections and reconnect the HDMI connectors to the NMT and your TV.

7. Restart the NMT.
Q5: Can I plug in an external CD/DVD-ROM drive?

Yes, the USB port can support an external CD/DVD-ROM drive. However, the NMT does not support CSS encryption. Your DVD must region-free and encryption-free in order to use the CD/DVD-ROM drive function.

Q6: Where can I download/update the firmware for my Popcorn Hour A-210 NMT?

See Firmware and NMT Applications Update for instructions and more information.

Q7: Help, my video files are not playing. Is this a bug or a faulty Popcorn Hour A-210 NMT?

Not all codec and encoding formats are compatible with your NMT. See Supported Audio/Video Formats or go to MediaInfo (http://mediainfo.sourceforge.net/) for more information.

For further help and information regarding video playback, kindly refer to our forum at http://www.networkedmediatank.com for advice.
Q8: Why won’t the video subtitles appear?

- Ensure that the subtitles are in a supported format
- The subtitle file must be in the same folder as the video file
- The name of the subtitle file must be the same as the name of the movie (except for the file format extension).
- The Subtitle Language (Setup > Preferences > Subtitle Language) must not be set to None, as this will disable all subtitles. Remember to save the setting when done.

Q9: How do I back up my DVD so that it can be played back by the Popcorn Hour A-210 NMT?

The DVD has to be saved into the .iso format. DVD .iso playback is only supported via NFS/SMB network connection (it will not work with myiHome). In case of poor quality playback in SMB, use NFS to share the file.
Q10: How do I recover the Popcorn Hour A-210 NMT from a failed firmware update with the fail-safe kernel?

To recover the NMT if the firmware update fails and the NMT is no longer responding, visit the following link for the latest methods and required files. (PC with internet connection required)

http://support.popcornhour.com/article.aspx?id=1089

💡 Note: This method is only applicable for the Popcorn Hour C-200 NMT.

Q11: What are the hard disk drives (HDDs) that are compatible with the Popcorn Hour A-210 NMT?

For an updated list of compatible HDDs, please refer to:


Q12: How do I fix the EXT2/EXT3 filesystem in the Popcorn Hour A-210 NMT if it is corrupted?

1. Download the tools from http://files.syabas.com/networkedmediatank/scan_package.zip and unzip them into the root folder of a USB flash storage device.
2. Select the USB flash storage device as the Media Source and browse to the Others media filter. Select the `scandisk.html`.

3. Select the Disable NMT option.

4. Then click on the Scan NMT Partition option to scan the HDD partition for damaged sectors. Restart the NMT when the scanning has been completed.

5. Browse to the Others media filter again and select Enable NMT.

6. Restart the NMT and test the options or services that were affected.

7. If the problem persists, reinstall the NMT Applications or repeat steps 3 to 6 with the Scan Content Partition option selected.
8.2 Technical Support Contact Information

If you experience problems not listed in the Troubleshooting chapter and require help and support for your NMT, kindly refer to our online Help and Support webpage at:

http://www.popcornhour.com

On the Popcorn Hour website, click on:

Support - For technical articles, downloads, documentation and other materials to help you get the most from your Popcorn Hour NMT.

Community – To get connected to the online Popcorn Hour community, user forums, guides, tutorials, and the ever-expanding NMT Wiki.
8.3 Accessories Installation

8.3.1 Chassis Fan Installation

Your NMT allows the installation of an internal chassis fan to assist with lowering the operating temperature of your unit. Follow the steps below to install a 60mm computer fan into the NMT.

1. Remove the top cover of your NMT and locate the chassis fan mount.

2. Align the fan to expel warm air from the inside of your NMT.

3. Secure the fan to the NMT using four screws and plug in the power supply of the chassis fan to the Molex connector (labeled: BACK FAN) on the mainboard.

4. Select the appropriate jumper configuration to control the fan voltage settings.

Note: The chassis fan is not included with your NMT. Kindly contact your nearest IT store to purchase a chassis fan.
### 9.1 User Interface

<table>
<thead>
<tr>
<th>Types</th>
<th>Bonjour</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UPnP SSDP</td>
</tr>
<tr>
<td></td>
<td>UPnP AV</td>
</tr>
<tr>
<td></td>
<td>Windows Media Connect</td>
</tr>
<tr>
<td></td>
<td>Windows Media Player NSS</td>
</tr>
<tr>
<td></td>
<td>Samba</td>
</tr>
<tr>
<td></td>
<td>NFS</td>
</tr>
<tr>
<td></td>
<td>BitTorrent P2P</td>
</tr>
<tr>
<td></td>
<td>Usenet downloader</td>
</tr>
<tr>
<td></td>
<td>Casgle iDVR RSS feed downloader</td>
</tr>
<tr>
<td>Media Servers</td>
<td>myiHome, myiHomeLite, myiHomeMS (UPnP), MSP Portal</td>
</tr>
<tr>
<td>Third-party media servers</td>
<td>WizD, SwissCenter, Llink, GB-PVR</td>
</tr>
<tr>
<td>Third-party Apps</td>
<td>NMT Community Software Installer</td>
</tr>
<tr>
<td>NAS Access</td>
<td>SMB, NFS, FTP</td>
</tr>
</tbody>
</table>
## 9.2 Web Services

<table>
<thead>
<tr>
<th></th>
<th>Video</th>
<th>Audio</th>
<th>Photo</th>
<th>RSS feed</th>
<th>Peer-to-peer TV</th>
</tr>
</thead>
</table>
### 9.3 Supported Media File Formats

| Video Containers | MPEG1/2/4 Elementary (M1V, M2V, M4V)  
MPEG1/2 PS (M2P, MPG, DAT, VOB)  
MPEG2 Transport Stream (TS, TP, TRP, M2T, M2TS, MTS)  
AVI, ASF, WMV  
Matroska (MKV)  
MOV (H.264), MP4, RMP4 |
<p>| Internet Radio | SHOUTCast™ Radio, Radiobox, Live365 Radio. |
| Apps Market | Apps Store for your Popcorn Hour |</p>
<table>
<thead>
<tr>
<th>Video Decoders</th>
<th>XVID SD/HD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MPEG-1</td>
</tr>
<tr>
<td></td>
<td>MPEG-2 MP@HL</td>
</tr>
<tr>
<td></td>
<td>MPEG-4.2 ASP@L5, 720p, 1-point GMC</td>
</tr>
<tr>
<td></td>
<td>MPEG-4.10 (H.264)</td>
</tr>
<tr>
<td></td>
<td>• BP@L3</td>
</tr>
<tr>
<td></td>
<td>• MP@L4.0</td>
</tr>
<tr>
<td></td>
<td>• HP@L4.0</td>
</tr>
<tr>
<td></td>
<td>• HP@L4.1</td>
</tr>
<tr>
<td></td>
<td>WMV9</td>
</tr>
<tr>
<td></td>
<td>• MP@HL</td>
</tr>
<tr>
<td></td>
<td>SMPTE 421M (VC-1)</td>
</tr>
<tr>
<td></td>
<td>• MP@HL</td>
</tr>
<tr>
<td></td>
<td>• AP@L3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Audio Containers</th>
<th>AAC, M4A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MPEG audio (MP1, MP2, MP3, MPA)</td>
</tr>
<tr>
<td></td>
<td>WAV</td>
</tr>
<tr>
<td></td>
<td>WMA</td>
</tr>
<tr>
<td></td>
<td>FLAC</td>
</tr>
<tr>
<td></td>
<td>OGG</td>
</tr>
<tr>
<td></td>
<td>TTA</td>
</tr>
<tr>
<td>Audio Decoders</td>
<td>Dolby Digital</td>
</tr>
<tr>
<td>------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td></td>
<td>DTS</td>
</tr>
<tr>
<td></td>
<td>WMA, WMA Pro</td>
</tr>
<tr>
<td></td>
<td>MPEG-1 Layer 1,2,3</td>
</tr>
<tr>
<td></td>
<td>MPEG-4 AAC-LC,</td>
</tr>
<tr>
<td></td>
<td>MPEG-4 HE-AAC,</td>
</tr>
<tr>
<td></td>
<td>MPEG-4 BSAC</td>
</tr>
<tr>
<td></td>
<td>LPCM</td>
</tr>
<tr>
<td></td>
<td>FLAC</td>
</tr>
<tr>
<td></td>
<td>Vorbis</td>
</tr>
<tr>
<td></td>
<td>DTS</td>
</tr>
<tr>
<td></td>
<td>DTS-HD MA</td>
</tr>
<tr>
<td></td>
<td>DTS-HD HR</td>
</tr>
<tr>
<td></td>
<td>Dolby Digital</td>
</tr>
<tr>
<td></td>
<td>Dolby Digital Plus</td>
</tr>
<tr>
<td></td>
<td>Dolby True HD</td>
</tr>
<tr>
<td>Audio Pass-Through</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DTS</td>
</tr>
<tr>
<td></td>
<td>DTS-HD MA</td>
</tr>
<tr>
<td></td>
<td>DTS-HD HR</td>
</tr>
<tr>
<td></td>
<td>Dolby Digital</td>
</tr>
<tr>
<td></td>
<td>Dolby Digital Plus</td>
</tr>
<tr>
<td></td>
<td>Dolby True HD</td>
</tr>
<tr>
<td>Other Formats</td>
<td>ISO</td>
</tr>
<tr>
<td>--------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td></td>
<td>IFO navigation</td>
</tr>
<tr>
<td></td>
<td>AVCHD navigation</td>
</tr>
<tr>
<td></td>
<td>Simple BD navigation</td>
</tr>
<tr>
<td>Photo Formats</td>
<td>JPEG</td>
</tr>
<tr>
<td></td>
<td>BMP</td>
</tr>
<tr>
<td></td>
<td>PNG</td>
</tr>
<tr>
<td></td>
<td>GIF</td>
</tr>
<tr>
<td>Subtitle Formats</td>
<td>SRT</td>
</tr>
<tr>
<td></td>
<td>MicroDVD SUB</td>
</tr>
<tr>
<td></td>
<td>SSA</td>
</tr>
<tr>
<td></td>
<td>SUB/IDX</td>
</tr>
</tbody>
</table>
## 9.4 Hardware

<table>
<thead>
<tr>
<th>Chipset</th>
<th>Sigma Designs SMP8643, 667 MHz CPU with floating point coprocessor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory</td>
<td>512MB DDR2 DRAM, 256MB NAND Flash</td>
</tr>
<tr>
<td>Audio/Video Outputs</td>
<td>HDMI v1.3a, 36bpp deep color</td>
</tr>
<tr>
<td></td>
<td>12-bit xvYCC processing</td>
</tr>
<tr>
<td></td>
<td>HDCP 1.2 content protection</td>
</tr>
<tr>
<td></td>
<td>Component Video</td>
</tr>
<tr>
<td></td>
<td>S-Video</td>
</tr>
<tr>
<td></td>
<td>Composite Video</td>
</tr>
<tr>
<td></td>
<td>Stereo Analog Audio</td>
</tr>
<tr>
<td></td>
<td>S/PDIF Optical</td>
</tr>
<tr>
<td></td>
<td>Coaxial Digital Audio</td>
</tr>
<tr>
<td>Ports/Connectors</td>
<td>Power LED and Attention LED</td>
</tr>
<tr>
<td></td>
<td>1x USB 2.0 host at the front</td>
</tr>
<tr>
<td></td>
<td>1x USB 2.0 host at the back</td>
</tr>
<tr>
<td></td>
<td>1x USB 2.0 slave at the back</td>
</tr>
</tbody>
</table>
| Dimension | Internal mounting for 2.5” or 3.5” SATA HDD  
|           | Infra-Red Remote Control  
|           | Full power down, standby and power up by remote control  
|           | Service pin hole for TV Mode switching and shutting down without remote control  
|           | High Quality Aluminum Case  
|           | Fanless Operation  
| Width     | 10.4” (265 mm)  
| Depth     | 5.31” (135 mm)  
| Height    | 1.77” (45 mm)  
| Weight    | 2.2 lbs (1kg)  
| Network   | Ethernet 10/100/1000** Mbps  
|           | ** Gigabit support depends on Switch/Router compatibility
### Power

<table>
<thead>
<tr>
<th>AC-DC adaptor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input 100<del>240V AC, 50</del>60 Hz</td>
</tr>
<tr>
<td>Output 12V DC, 3A max</td>
</tr>
<tr>
<td>typical : 8 W (no additional device installed/attached)</td>
</tr>
<tr>
<td>maximum : 36 W</td>
</tr>
</tbody>
</table>
10.1 Apps Market - Internet Connection Required

1. Navigate to Web Services -> Apps Market.

![Apps Market screen](image)

*Figure 1.0: Apps screen*

2. A list of apps market available for installation will be shown.

3. Navigate with your D-pad on your remote, and choose which apps market you like to install.
4. Choose Install and hit enter on the remote. You will be prompted to start the application once installation is successful.

![Figure 2.0: Apps Market installation successful prompt](image)

5. Hit Left on the D-pad to bring up the apps menu, which will provide more viewing options.

![Figure 3.0: Apps Market menu screen](image)
6. Navigate to Exit, return to Apps Market.

7. On Apps, navigate left to access your Apps Market that you have already installed.

*Figure 4.0: My Apps screen*
10.2 NMJ - Required Internet Connection

Preparation for Jukebox Setup and Scanning

1. Movie - For more accurate Jukebox setup, we recommend you change the filename to remove any extra tagging other than the movie name. For example:

   movie_name HD1080p.mkv should be rename to:
   movie_name.mkv

TV series - If the TV series has multiple seasons, the files must be named as follows:

   tvseries S01E01.mkv
   tvseries S01E02.mkv
   ...
   tvseries S01E02.mkv

   (S = Season and E = Episode within that series)

Note: If the cover art is incorrect for a movie of TV series after Jukebox setup, you can manually edit the information page for the particular item to correct the mistake.
2. While browsing the content of any writable source such as HDD, Samba or NFS Share, press corresponding colored button to enter Jukebox mode.
3. If this is your first time, it will prompt for scanning of media files on your storage device, to build the user interface.

4. Press enter on “OK” and it will start scanning through the storage for media files. After a few minutes, a progress indicator will be displayed on center corner. This process may take from a few minutes to hours, depending on the amount of content on your storage.
Note: If the cover art is incorrect for a movie of TV series after Jukebox setup, you can manually edit the information page for the particular item to correct the mistake.

5. Once the scanning is done, it will enter Jukebox user interface with video wall.

6. You may return to list view by using the corresponding colored key.

7. In Setup preference, NMJ database update must set to automatic, otherwise it will not scan for new contents when entering Jukebox.
Networked Media Jukebox Guide

1. In Jukebox mode, press the MENU to access Jukebox option.

- **By Movie** - Sort by Movies
- **By TV Series** - Sort by TV Series
- **By Genre** - Sort by movie genre, for example: Action, Adventure or Cartoon
- **By Year** - Sort by movie year of release
- **By User Rating** - Sort by User Ratings of Movies
- **Search** - Allow you to input movie title to quickly conduct a search
- **Parental Control** - Enable or Disable Parental Control
- **View Mode** - Wall or Category Mode
- **Help** - An MNJ Overview

*Figure 7.0: NMJ movie screen*
2. In Jukebox mode, press the MENU to access Help.

![Figure 8.0 : NMJ help screen](image)

3. In Jukebox menu, press LEFT to access additional menu option.

![Figure 9.0 : NMJ help guide screen](image)
• Quick access to Movie Jukebox
• Quick access to Music Jukebox
• Quick access to Photo Jukebox
• Quick access to Apps
• User Preference
  • **Security** - Enable/Disable the “DELETE” key function
  • **Scan Media Source** - Manually start a scan for a new media
  • **Autostart Menu** - Enable/Disable the Autostart menu

• Setup

*Figure 11.0: NMJ security screen*
Shortcut Keys

1. Press ANGLE button to quickly switch view mode.

![Shortcut video view mode screen](image1.png)

*Figure 13.0 : Shortcut video view mode screen*

2. Press TIME SEEK button to quickly switch view mode.

![Switch view mode screen](image2.png)

*Figure 14.0 : Switch view mode screen*
3. Press Alphanumeric keys to access quick search.

![Quick search screen](image)

**Figure 15.0 : Quick search screen**

### Options in Movie Synopsis

1. Delete - Delete the current selected movie, can disable in Jukebox menu.

![Delete movie screen](image)

**Figure 16.0 : Delete movie screen**
2. User Rating - You can rate your movies here, from 1 to 5 stars.

![Figure 17.0: User rating screen](image)

3. Edit - Edit movie synopsis data.

![Figure 18.0: Edit movie synopsis screen](image)
4. Play - Play your Movie.

You may scroll up or down in this page, by using the UP or DOWN button in remote to move to next movie.