

MediaMVP-HD Installation Guide

Contents of the MediaMVP-HD package

MediaMVP device. The MediaMVP-HD has audio/video connectors on the back for HDMI, Component video, S-video, composite video, stereo audio and SPIDF digital optical audio.

Ethernet cable for connection between the MediaMVP-HD and your network router, hub or switch. This uses RJ-45 connectors and is 1.5 meters long.

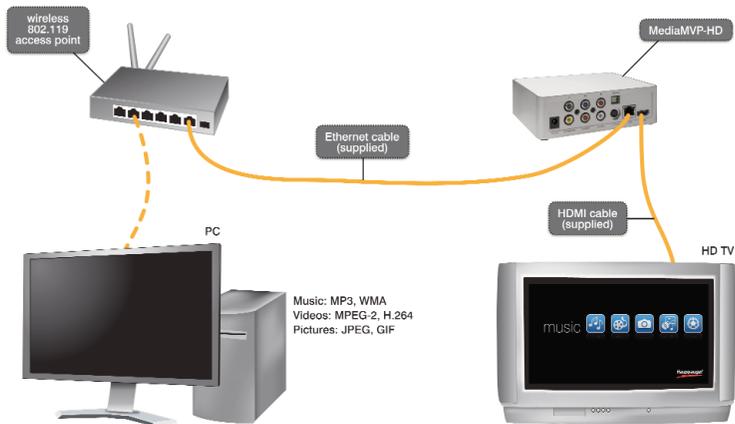
HDMI video cable to connect the MediaMVP to your HDMI equipped TV set. If you have a TV set which does not use HDMI, you will need to supply your own cables.

Hauppauge remote control transmitter with 2 AAA batteries

Note: you can purchase longer Ethernet and HDMI cables at most computer retail stores.



Overview of MediaMVP-HD



MediaMVP-HD brings digital media to your HD TV

MediaMVP-HD is installed at your TV set and plays digital media (digital music, digital videos and digital pictures) from your PC or a USB thumb drive onto the TV set.

When the digital content is on the PC, MediaMVP-HD connects to your PC over your home Ethernet (wired) network. You can also put digital media on a USB thumb drive, plug the USB thumb drive into the MediaMVP-HD and then play the content onto your HD TV set.

MediaMVP-HD plays digital audio (MP3), high definition digital video (MPEG-2 as recorded by the WinTV-PVR or WinTV-HVR series of Hauppauge TV tuners, plus H.264 as recorded by the Hauppauge HD PVR and DivX) and digital pictures (JPEG, PNG, BMP and GIF).

Play WinTV and HD PVR recordings on your HD TV set

MediaMVP-HD can play all recordings which can be made with a Hauppauge WinTV-PVR, WinTV-HVR or HD PVR. The video formats which can be played by the MediaMVP-HD are MPEG-2 and H.264, both standard definition and high definition (up to 1080p). You can also play standard and high definition Divx and standard definition Windows Media files.

USB thumb drives can be a source for media, too

In addition to connecting to a PC to play digital media, MediaMVP-HD also has a USB port where you can plug in a USB thumb drive and play digital media. If you have an external USB hard drive, you might need to use a powered USB hub since the USB port on the MediaMVP-HD is designed for thumb drives.

Access PC media with shared folders or uPnP

There are two ways the MediaMVP-HD can access media on a PC: you can set up **Shared Folders** on your PC, or you can use **Universal Plug and Play** (called 'uPnP') to access media folders on your PC.

MediaMVP-HD connects to local area networks via its built-in Ethernet 10/100Mbps connection. The PC where your media files are located needs to be on the same network node as the MediaMVP. In general, if you have the PC and the MediaMVPs connected to the same network hub, Access Point or router, this requirement is satisfied.

Up to 12 MediaMVP-HDs can be connected on a network. This means you can have a MediaMVP connected to the TV in your bedroom, one to the TV in the living room, one in the den, etc. The only limitation is that all the MediaMVPs need to be on the same network segment as the PC is located.

Technically speaking

MediaMVP-HD's CPU engine (a Sigma 8655 processor) runs the Linux operating system, and has built-in multimedia hardware for decoding high definition MPEG-2 and H.264 videos, digital audio and digital pictures. The MediaMVP-HD application can be reloaded through it's Setup menu.

MediaMVP-HD is a client for uPnP, where the server can be a Windows 7 or Windows Vista PC. Some Windows XPs have third party uPnP servers installed and can be used to connect to the MediaMVP-HD. The PC can be used for normal tasks while acting as the media server. .

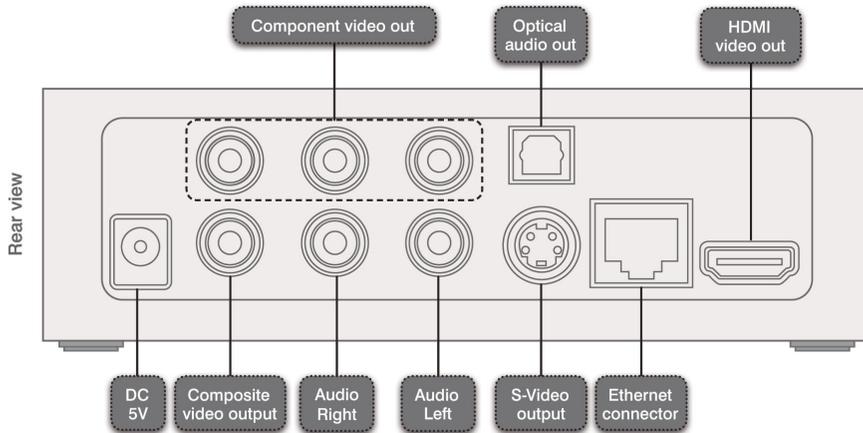
MediaMVP-HD decodes full HD resolution NTSC and PAL encoded MPEG-2 or H.264 bit streams in real time, up to and including 1080p. Video formats supported include MPG, MPEG, MP4, AVI, MKV, VOB and TS. Standard definition WMV files are also supported.

MediaMVP-HD connectors

Front panel

MediaMVP has a **USB port** on the front panel, designed to accept a USB thumb drive. You





can also plug in a powered USB disk drive. Unpowered USB disk drives are not supported since the power provided by MediaMVP-HD is limited to that needed by thumb drives.

The **power switch** is on the front panel as well as a **green power LED indicator**. The green LED will blink once with every remote control key click.

Rear panel

The rear panel is where the audio/video connectors and network connections are made. A few notes:

- HDMI out and Component video out give you the best video quality. If you are using HDMI, the audio is carried in the HDMI cable along with video. If you are using Component video, for audio you will need to use either the left and right audio connectors or the Optical Audio output connector (SPDIF).
- All video outputs are active at the same time. This allows you to use HDMI and composite video, for example, on two TV sets at the same time. The S-Video and Composite video outputs always output standard definition video, without regard for the original format of your video media.

The Hauppauge remote control

The remote control will allow you to perform all functions on the MediaMVP-HD. Here are a few of the key controls:

- **'i' / Menu button (Instant menus):** The 'i' button is the most important button on the remote control. Click the ***i button*** and you will see a list of functions which can be performed from the current menu. For example, if you are in the Pictures menu, when you click the ***i button*** you will see selections to start and stop background music, to

start picture slide shows, to use a selected picture for the MediaMVP menu background and to scan for shared folders.

- **Back/exit button:** when you click this button, you will return to the previous menu.
- **Guide button:** this is where you can see the video adjustments **brightness**, **contrast** and **saturation**. Use the right and left arrow buttons to make these adjustments. Click the **Back/exit button** to exit the video adjustments.
- **FastSkip buttons (0 to 9):** when you are playing a video, the video will move to 10%, 20%, etc. of the video. Hitting the **0 button** brings you to the beginning of your video program.
- **Skip forward / skip back:** these buttons will move you through your video program 30 seconds at a time
- **Videos, Music and Pictures buttons:** moves you to these main menus.
- **Volume up / down:** this controls the volume from the MediaMVP-HD.
- **Go button:** this button brings you to the main menu.
- **Power button:** puts MediaMVP-HD in low power, and turns off the video output.



Installation overview

1. Connect MediaMVP-HD to your TV set

Use the HDMI cable (provided) or the audio video connectors on the back of MediaMVP-HD to connect to your HD TV set or TV monitor. MediaMVP-HD supports video resolutions from 480i (standard definition) to 1080p (high definition).

2. Turn on your TV and MediaMVP-HD

The green light will appear on your MediaMVP-HD and you should see the main menu screen on your TV set.

3. Configure the video format of MediaMVP-HD for your TV set (if necessary)

When using HDMI, MediaMVP-HD automatically configures itself for the video format of your TV set. Some TV sets cannot be configured automatically and you must therefore set the video format on the MediaMVP-HD manually.

4. Attach MediaMVP-HD to your network

Plug a network cable into the MediaMVP-HD and then plug this cable into your router.

5. Setup your PC for file sharing or for uPnP

There are two ways to get access to media on your PC: you can either use **uPnP** or you can set up **shared folders**. If you already have shared folders enabled on your PC, then you can simply scan for these folders (hit the **'i' button** on your MediaMVP-HD remote control, and go to **'Scan for shared folders'**). uPnP needs to be enabled on your PC. See step 5 for information.

6. Watch your media on your TV!

Use the Hauppauge remote control to navigate through your digital media from a USB thumb drive or over your home network from your PC. The 'i' button on the Hauppauge remote is the key to searching and sorting media.

Step 1: Connect MediaMVP-HD to your TV set

Connecting to a TV set:

There are four types of video connections you can make from the MediaMVP-HD to your TV set:

- HDMI
- Component video
- S-Video
- Composite video

An HDMI cable is provided with the MediaMVP-HD, since this is the most common high definition connection on plasma and LCD HD TVs. HDMI cables provide both audio and video to TV set, but you can also use the stereo and digital audio outputs of the MediaMVP-HD to connect to a home stereo system.

If your HD TV uses component video, S-Video or composite, use the appropriate cables (not included with the MediaMVP-HD package) and connections from the back of MediaMVP-HD.



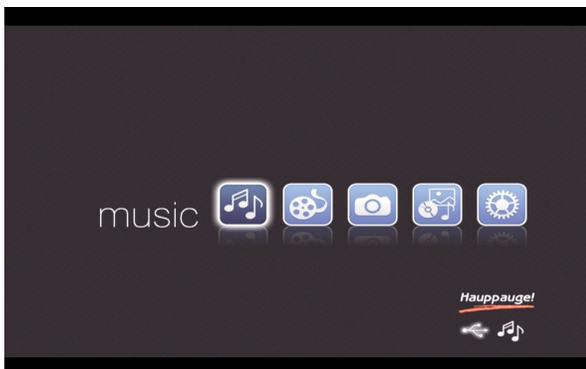
Step 2: Turn on your TV set and the MediaMVP-HD

Turn on the MediaMVP-HD

Once you have made a connection to the HD TV set, plug in the power to the MediaMVP-HD and push the power button on the front of the MediaMVP-HD. You should see a green light on the front of MediaMVP-HD, indicating that it is operating.

Switch to the correct source on your HD TV:

You need to select the correct



Video Input on your HD TV set. Each TV set does this differently, but many TV sets have a button marked “Video source” on the remote control. You will need to find the correct source which corresponds to the connection you made from the MediaMVP-HD.

Once you select the correct source, you should see the MediaMVP-HD main screen.

If you do not see the main screen and you are using HDMI, you might need to change the video format setting on your HD TV set or the MediaMVP-HD. Please see **Step 3: Configure the HDMI video format of MediaMVP-HD to match your HD TV set (if necessary)** for tips on matching your HD TV video format to the MediaMVP-HD.

Step 3: Configure the HDMI video format of MediaMVP-HD to match your HD TV set (if necessary)

If you are using HDMI to connect to your HD TV, MediaMVP-HD typically adjusts the HDMI setting automatically. For some HD TV sets, the automatic settings do not work properly. There are a few things you can do in this case:

- you can use the MediaMVP-HD **Setup menu** to manually set MediaMVP-HD to HDMI video settings. To do this, we suggest you connect both the Composite video and HDMI video to your HD TV at the same time. If you do this, you can see the MediaMVP-HD screen using composite video. You can then quickly switch back and forth between Composite and HDMI to see if you have chosen the correct settings.
- you can use the Component video connections, which are also high definition but do not attempt to use automatic settings and therefore will connect more easily

Use the MediaMVP-HD Setup menu to manually set MediaMVP-HD to HDMI video settings

Start by using **Composite video**. You should see the MediaMVP-HD main menu on your HD TV set. Then use your Hauppauge remote control and go to **Setup/VideoOutput** and choose **NTSC HDMI**.

Note: Click the OK button on the remote control to enter each menu.

You will see a list of HDMI video formats, from 480i to 1080p (the highest video format). Choose 480i and click the **OK button** on MediaMVP-HD.

Now switch your HD TV set to the HDMI input which is connected to MediaMVP-HD.

If you see video (the MediaMVP-HD HDMI Setup menu), you know that this format is supported by your TV set.

Once you have found a format, try the next higher video format. Do this until you cannot

see a picture on your TV set using HDMI.

Once the video fails to display, you have gone beyond the video format capacity of your HD TV and the MediaMVP-HD. Use the Composite display to go back one video format.

Once you have found the best HDMI format, click the **Back/Exit button** on the Hauppauge remote to return to the Main menu.

Tip: if switch your HD TV between sources (for example the MediaMVP-Hd and a cable TV box) and you cannot see your MediaMVP-HD video, click the green Power button on the MediaMVP-HD remote twice. This resets the HDMI video out.

Built-in HDMI video test

MediaMVP-HD also has a built-in function to test all of the HDMI formats, which range from 480i to 1080p. To try this built-in test function, switch your HD TV set to the HDMI input which is connected to MediaMVP-HD, and then click the **blue button** on your remote control four times. Then click **OK**. Keep an eye on your TV set. You might not see anything for a minute or so. When MediaMVP-HD finds a mode which works with your TV set, you will see the format listed in the upper right hand corner of your TV picture. Make a note of these formats and then use the manual HDMI format setup to chose one of these formats.

Step 4: Attach MediaMVP-HD to your network

Plug an Ethernet network cable into the back of MediaMVP-HD and connect the other end to a router or Ethernet hub.

If you want to see if your MediaMVP-HD has connected to your home network, go to **Setup/System/Information/Network**. You should see a setting in the line which says **IP**. For example, you might see a number like **164.1.1.16** This is the network address which was assigned by your Ethernet router.

Step 5: Setup your PC for file sharing or uPnP

Scanning for shared folders on your PC

If you already have shared folders setup on your PC, you can simply scan for them on the MediaMVP-HD. To scan for shared folders, from the Main menu on the MediaMVP-HD, click the **'i' / Menu button** and click **Scan for shared folders**. The scanning takes about a minute. When complete, you should see your Shared folder listed. Click **OK**.

The scanning process looks for PCs with network address's from .1 to .254 These are common addresses for most home networks. The scan works with Windows XP, Windows

Vista and Windows 7 PCs.

MediaMVP-HD File Sharing Helper application

There is also a MediaMVP-HD “Helper” application which can automatically set up your shared folders. You can download this Helper application from:

http://www.hauppage.com/site/support/support_mediamvp-hd.html

When you download this Helper app, you would run this on any PC on your home network which has folders which contains content you want to see on your HD TV set.

Setting up shared folders on your PC

File sharing is the most common way to access media on a Windows XP PC. File sharing is also supported on Windows Vista and Windows 7. File sharing is set up on the PC which contains the media you would like to play on the MediaMVP-HD.

For Windows XP, you enable file sharing by opening Windows Explorer, choosing the directory you would like to share, and then click your **Right mouse button**, select **Properties** and click the **Sharing tab**. Click the button which says **Share this folder on the network**. Click **OK** and now your directory is shared.

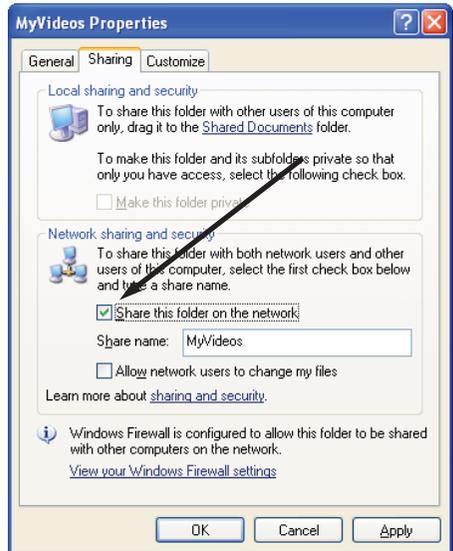
You need to do this for each folder you would like to share. For example, if you have a folder with digital pictures, you will need to share this folder too.

When you are finished setting up the shared folders on your PC, you need to scan for them on the MediaMVP-HD. Click the **'i' / Menu button** on the remote and click **Scan for shared folders**. The scanning takes about a minute. When complete, you should see your Shared folder listed. Click **OK**.

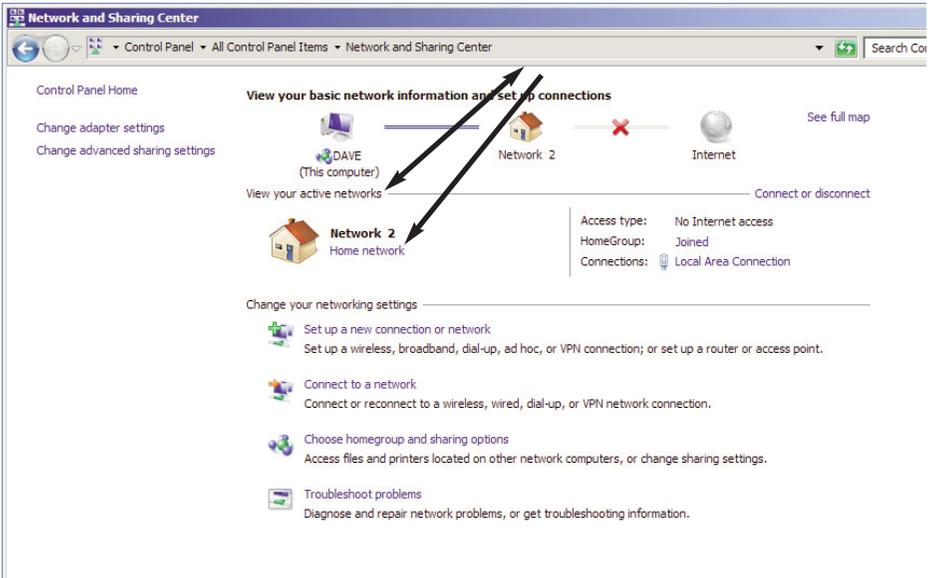
Accessing your media through uPnP

uPnP, which stands for Universal Plug and Play, is another way to get access to your media. uPnP comes standard on Windows 7 and is also available on some Windows Vista and Windows XP PCs. **To enable uPnP on Windows 7:**

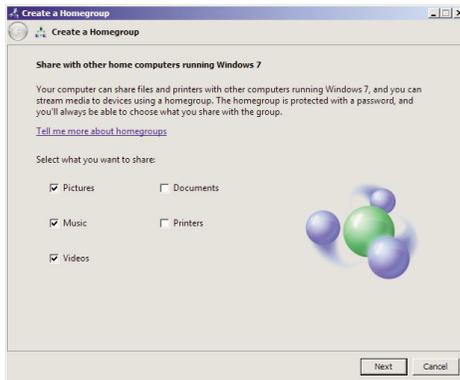
- Go to **Control Panel / Network and Sharing Center**
- Under **View your active networks**, your network should be set to **'Home Network'**.



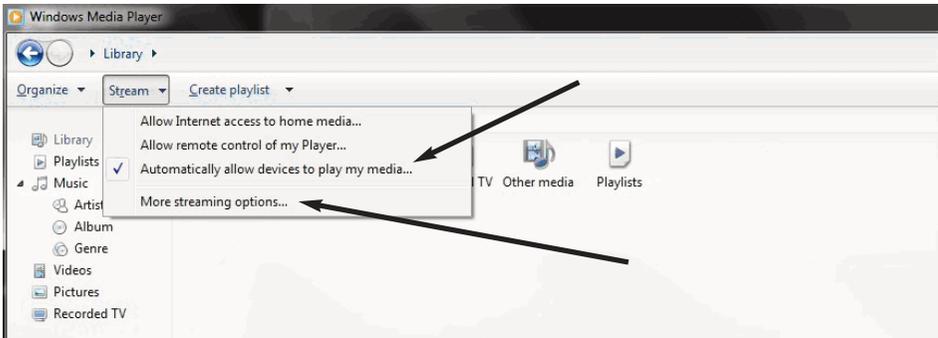
If not, click on **Home Network** to configure your home network settings.



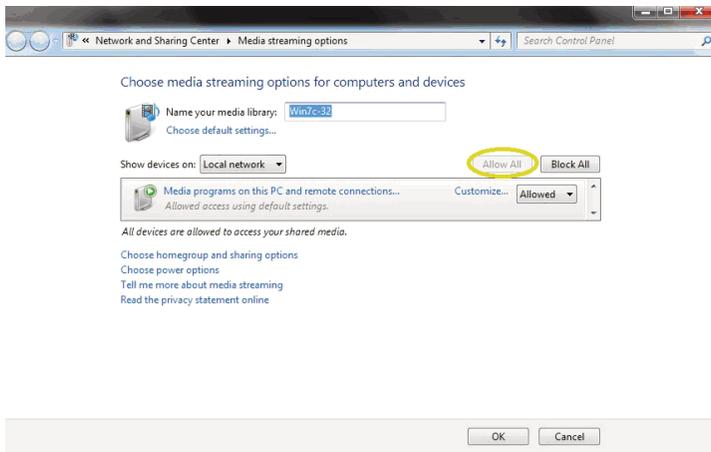
- If you are setting up your **Home Network** for the first time, follow the steps to complete the configuration. Enable the media you would like to share, typically Music, Videos, Pictures.



- Next, launch **Windows Media Player** by clicking **Start / All Programs / Windows Media Player**. Under the **Stream** tab, click **Automatically allow devices to play my media**.

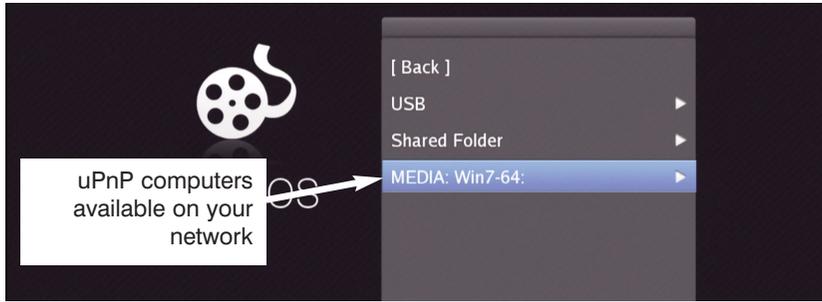


Click **More streaming options**. Under **More streaming options**, **Allow all** should be enabled. If not, click **Allow all**.



You have now enabled uPnP on your Windows 7 PC, and have enabled your PC to share files with other uPnP devices such as the MediaMVP-HD.

If you now look in the Music, Videos or Pictures on MediaMVP-HD, you will see the uPnP computer listed.



Step 6: Watch media on your HD TV through MediaMVP-HD!

Once you have setup the MediaMVP-HD TV connection and the connection to your PC, you can now navigate through your digital media and play them on your HD TV set!

MediaMVP-HD menus

Main menu

The main menu has selections for Music, Videos, Pictures, Services and Setup. Music, Videos and Pictures are the menus where you can see lists of your digital media.



Services are where any services would be listed. Currently, there are no services supported but it is expected that over time, MediaMVP-HD will support a list of music, video or digital picture services.

Setup is where you will find menus to set up the audio and video formats for your HD TV set, update the MediaMVP-HD application, make settings for your Ethernet network, etc.

The i button on your MediaMVP-HD remote control displays the user menus

From the Main menu, click the **iMenu button**. You can start and stop background music here. You can also scan for Shared Folders.

To scan for shared folders, move your cursor down to the item **Scan for shared folders** and hit **OK**. It takes about a minute to find the shared folders on your Ethernet network, will then be listed.

If there are no passwords set to access your shared folders, simply hit **Next**

Music, Videos, Pictures

Videos

Here is the main menu of Videos, which would be typical of Music and Pictures as well. You will note that USB and Shared folders are listed, even if there are no USB thumb drives plugged in or if there are no PCs with Shared folders scanned on the home network.



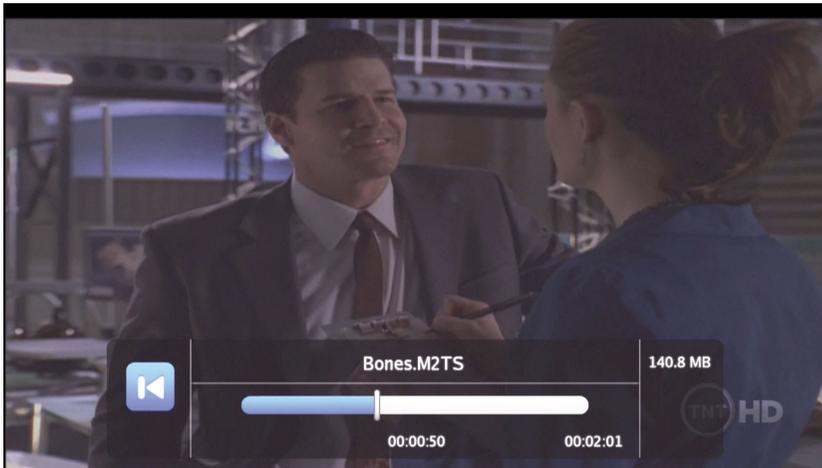
If you have a uPnP computer on your network, you will see these listed just underneath the Shared Folder. In this case, the name of the uPnP computer is **MEDIA: Win7-64**

i/Menu button

When you are in the Videos menu: the **i button** shows a menu where you can **Sort by name**, **Sort by date**, **Play all** and **Scan for shared folders**. If you click Sort by name or Sort by date a second time, it sorts in the reverse order (Z to A or last date first).



When you are playing a video: hit the **i button** to see the progress of your video.



Fast Skip

When you are playing a video, **Fast Skip** allows you to quickly move to segments of your video by using the 0 to 9 keys on the MediaMVP-HD remote control. Click the **1 key** to go to 10% of your video, hit **2** to go to 20% of your video, etc.

Stop and Resume

To make it easier to stop your video playback and then resume it at the point it was stopped, MediaMVP-HD has a **Resume/Restart** function. You can stop the video playing and the next time you start the playing that video, a message will pop up on your screen asking for **Resume** or **Restart**. Resume starts the video where you stopped it. Restart starts the playback at the beginning of the program.

Pictures

Use a digital picture for your MediaMVP-HD menu background

You can set the background of your menus. To do this, choose the picture you want to use as the background and click the **'i' menu** and select **Use image as background**. This picture will then be used on all of the menu backgrounds except for the Main menu.

Running a slide show with background music

- Navigate to the **Music menu** and then find your folder with your music
- Click the **i menu** then select **Background music (this directory)**
- Navigate to the **Pictures menu** and then find the folder with your pictures
- Click the **i menu** and then select **Slide show**

To stop the slideshow, click the Stop button.

To stop background music, navigate to the **Music menu**. Click the **i menu** and then select **Stop background music**

Setup menu



System menu

You can get information on your system in this menu, including software and hardware revisions, and can load a new version of MediaMVP-HD application

Load a new version of MediaMVP-HD application

From time to time, Hauppauge will add feature enhancements and bug fixes to the MediaMVP-HD application. To install an updated application, first, download the new application from the Hauppauge website:

www.hauppauge.com/site/support/mediamvp-hd.html

Next, unzip the new MediaMVP-HD application to a USB thumb drive. There are two files: **mvphd.md5** and **mvphd**. The firmware update program requires that these two files **be in the root directory** on the USB thumb drive.

Plug the USB thumb drive into the USB port on the front of MediaMVP-HD. Wait a few seconds for the drive to be recognized.

Then from the **System menu**, click **Advanced setup / Upgrade**. Then click **OK**. You will see a progress bar as the new MediaMVP-HD application installs.

Note: If you receive an error message, make sure the two files are in the root directory. If you continue to receive error messages, try another USB thumb drive. Sometimes the file systems on USB thumb drives become corrupt and cannot be read by MediaMVP-HD.

Troubleshooting

If video does not appear on your HD TV set after changing from one HDMI source to the MediaMVP-HD

If you have chosen the correct HDMI mode for your HD TV set but the video does not appear after you change the source on your HD TV set, click the **green power button** on the MediaMVP-HD remote control (puts MediaMVP-HD into a power down mode), then click the **green button** once more. This resets the HDMI output on the MediaMVP-HD.

If you are having problems with the HDMI video mode

Click the **Blue button** on the remote control **4 times**. Then click the **OK button**. This will run an HDMI test which sets all HDMI video modes. When you see a good image on your HD TV set, you will know which mode to set MediaMVP-HD for a good picture on your TV set.

If your TV image needs contrast, brightness or color adjustment

You can click the **Guide button** on the MediaMVP-HD remote control to put the display settings on your TV screen. You can adjust the **Brightness, Contrast** and **Saturation**. Click the right arrow to increase these settings and the left arrow to decrease these settings. When you are finished, click the Back/Exit button to return the MediaMVP-HD menu.

You can adjust these settings from any menu or while you are playing a video.

Contacting Technical Support

e-mail: techsupport@hauppauge.com

telephone: 631-434-3197

FCC Statement Radio Interference Statement:

ID: H90MEDIAMVP

User Caution: Changes or modifications not expressly approved by Hauppauge Computer Works could void the user's authority to operate the equipment.

The **MediaMVP** has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

CE Statement:

This equipment has been tested and complies with EN 55013, EN 55022, EN 55024 and EN 55020 standards.