

Guide for Setting Up Bit-Streaming from ATI 5570 using MPC and ffdshow Codecs in Media Portal 1.1

I created this guide hoping others could benefit from the hours (days?) of research and experimentation. What follows are instructions detailing how I've been able to configure my HTPC to playback video files within Media Portal using MPC Codecs and bit-stream HD audio formats to an ATI 5570 based graphics card.

There are four major sections to this guide.

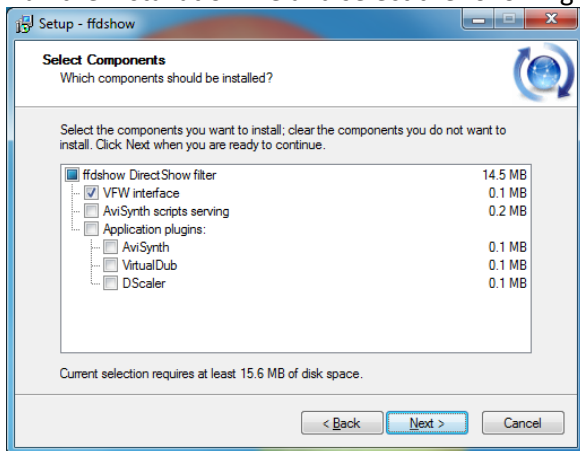
1. Install and configure ffdshow
2. Install MPC Standalone Filters
3. Register ffdshow and MPC filters
4. Configure Media Portal

Before beginning you need to find and download the following programs

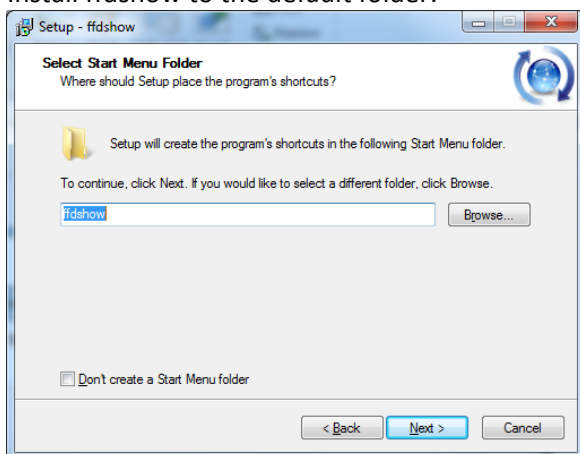
- ffdshow. I downloaded "ffdshow_rev3507_20100707_clsld.exe" from <http://sourceforge.net/projects/ffdshow-tryout/files/>
- MPC Stand Alone Filters. From <http://www.xvidvideo.ru/media-player-classic-home-cinema-x86-x64/> - follow the link to "standalone_filters-svn2099_x86". Follow directions to download. Be sure to get the x86 filters (32 bit). I don't think the x64 filters (64 bit) will work with 32 bit applications like Media Portal.

Install and Configure ffdshow

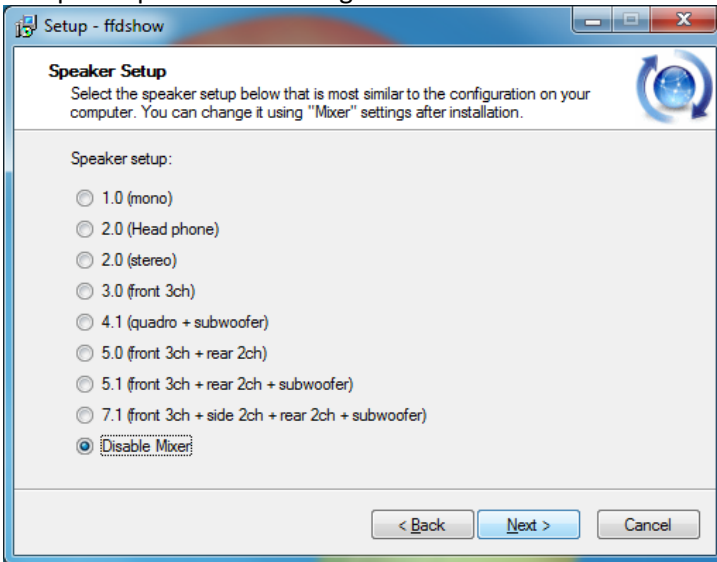
Run the installation file and select the following components:



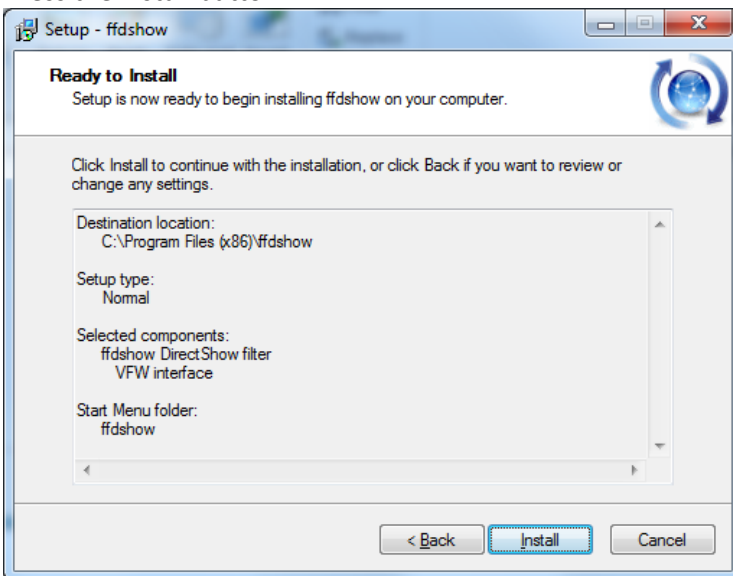
Install ffdshow to the default folder:



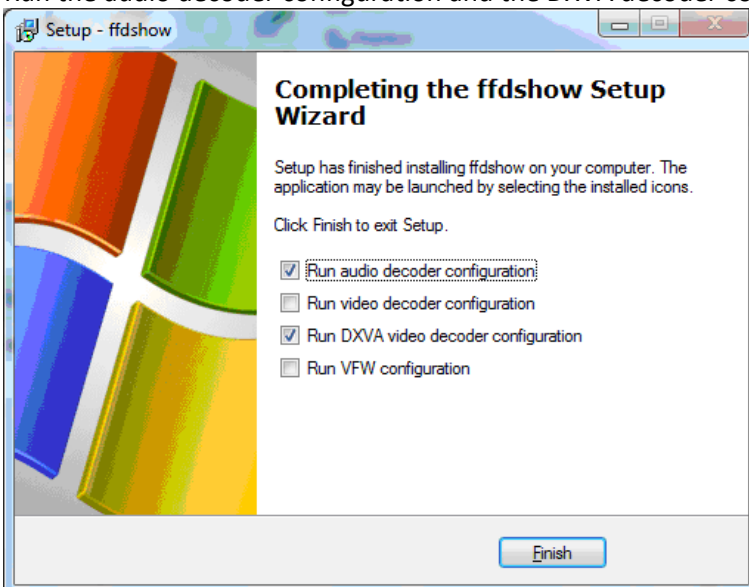
Setup the speakers according to:



Press the install button:



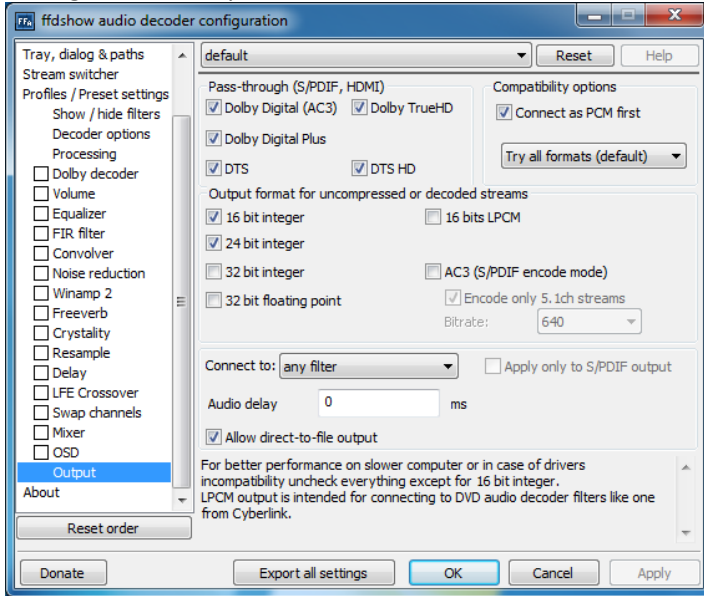
Run the audio decoder configuration and the DXVA decoder configuration:



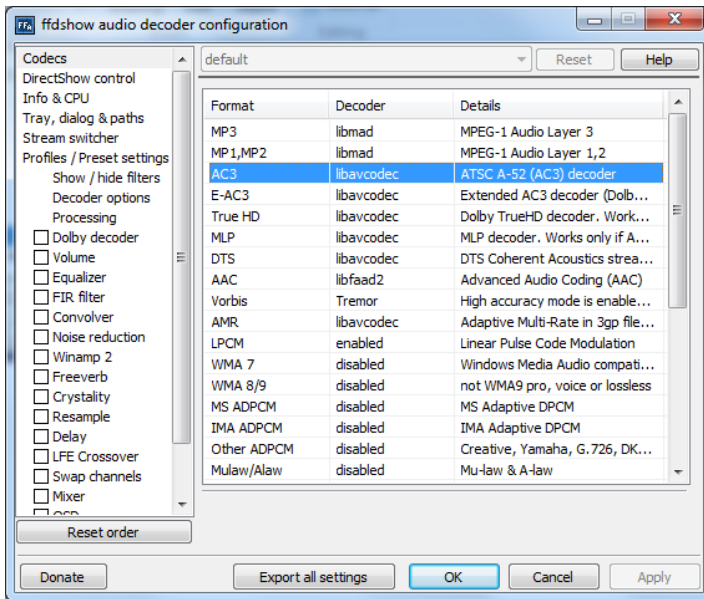
Follow the appropriate column below to configure ffdshow

Audio Decoder Configuration

Configure the "outputs" like this:



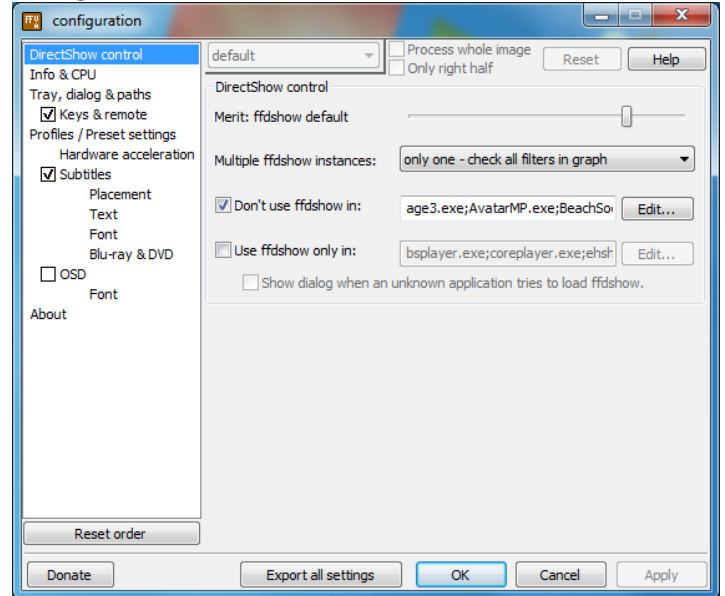
Check the codecs for AC3, E-AC3, True HD, MLP and DTS are set to libavcodec:



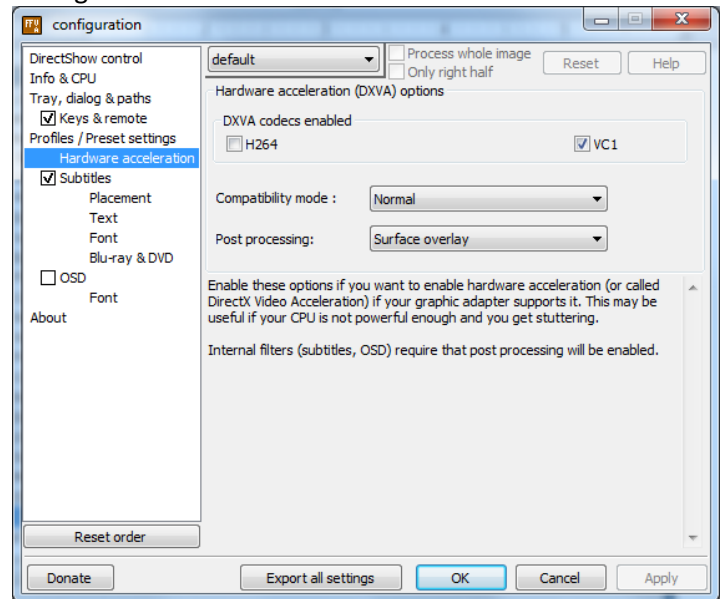
Press "OK" to complete.

DXVA Video Decoder Configuration

Configure "Direct Show Control" like this:



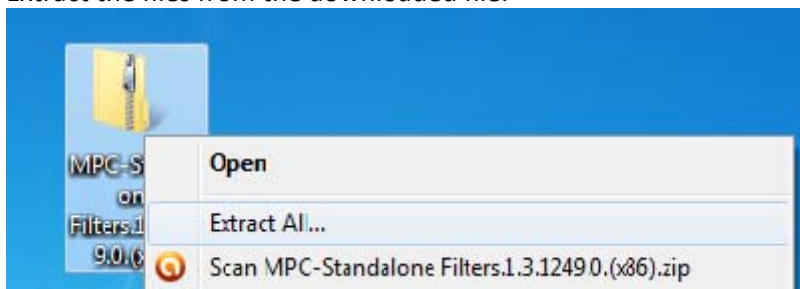
Configure "Hardware acceleration" like this:



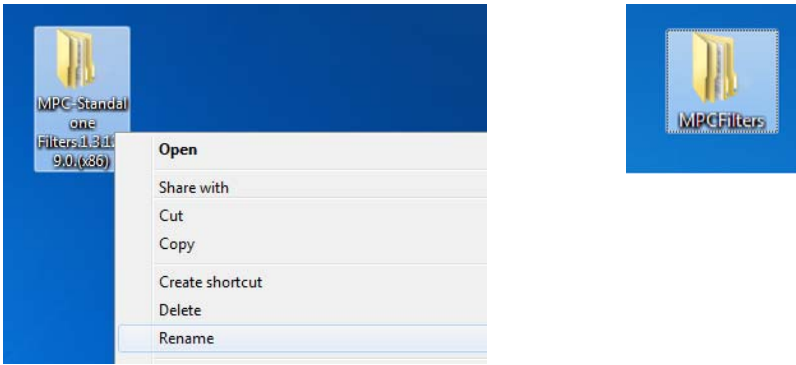
Press "OK" to complete.

Install MPC Standalone Filters

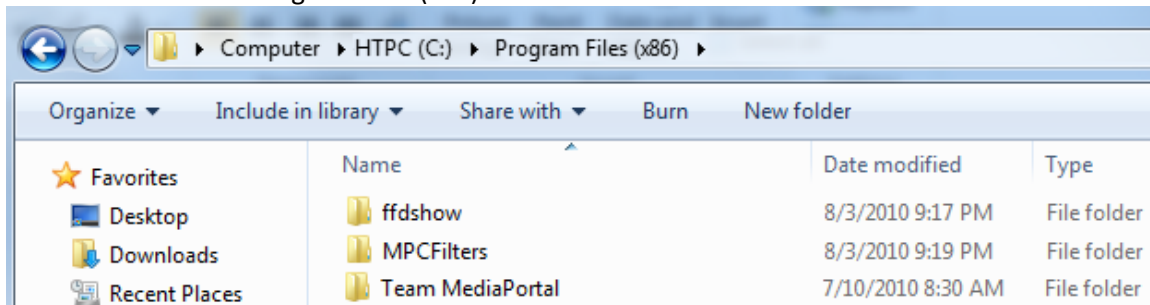
Extract the files from the downloaded file.



Rename the extracted folder to "MPCFilters".

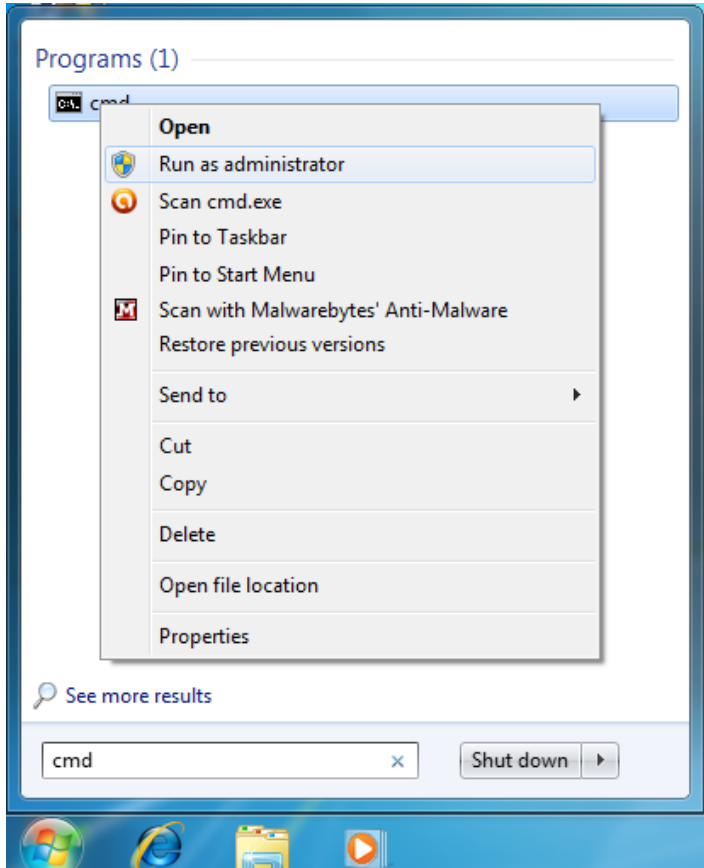


Move folder to the "Program Files (x86)" folder.

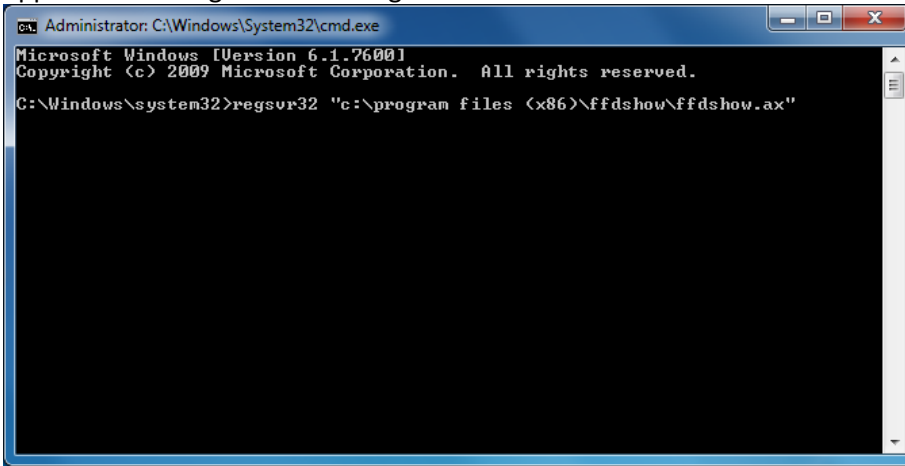


Register ffdshow and MPC filters

From the "Start" button, type "cmd" into the search field – don't press enter. Right-click on "cmd" and choose "Run as Administrator".

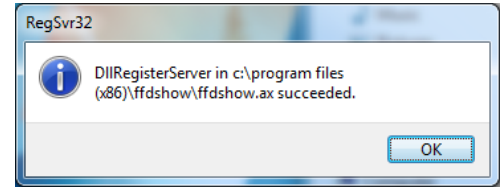


A DOS window will open. Type `regsvr32 "c:\program files (x86)\ffdshow\ffdshow.ax"`. Press enter. A window will appear confirming the ffdshow registration.

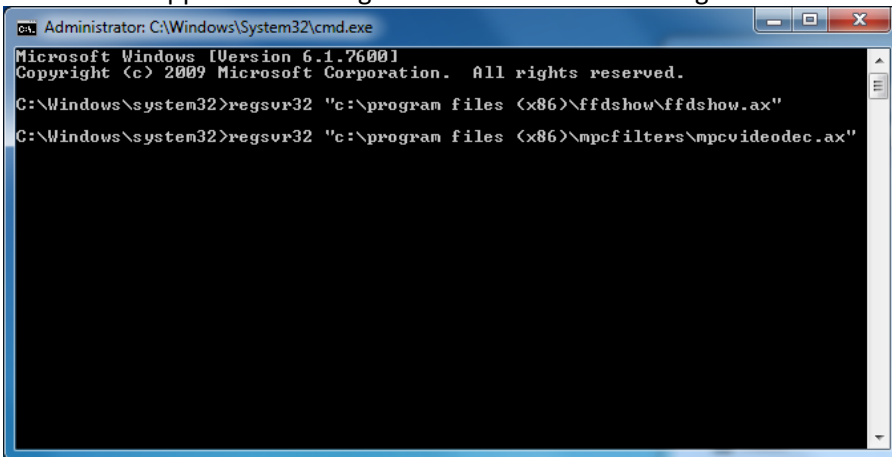


```
Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32>regsvr32 "c:\program files (x86)\ffdshow\ffdshow.ax"
```

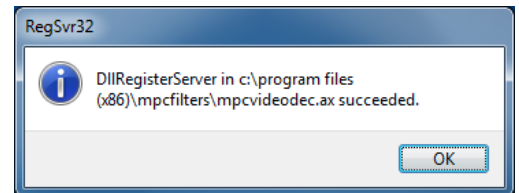


Return to the DOS window. Type `regsvr32 "c:\program files (x86)\MPCFilters\mpcvideodec.ax"`. Press enter. A window will appear confirming the MPC Video Decoder registration.

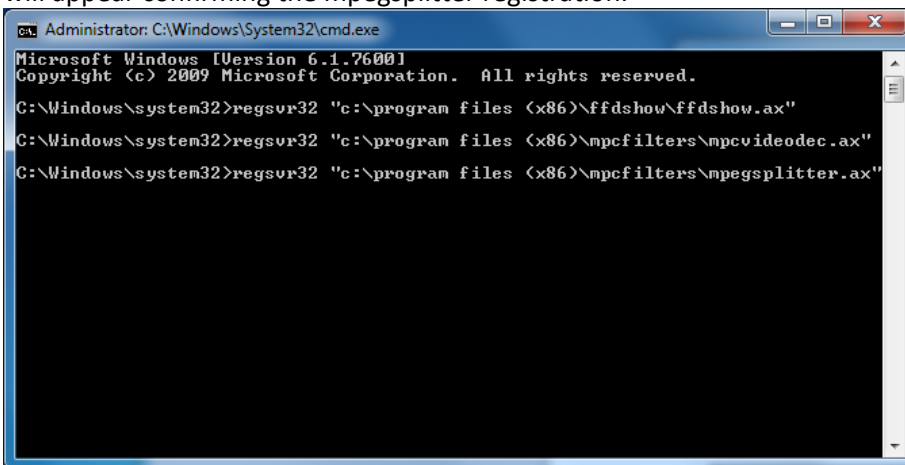


```
Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32>regsvr32 "c:\program files (x86)\ffdshow\ffdshow.ax"
C:\Windows\system32>regsvr32 "c:\program files (x86)\mpcfilters\mpcvideodec.ax"
```

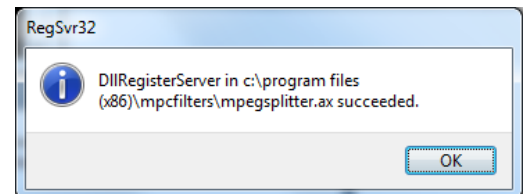


Return to the DOS window. Type `regsvr32 "c:\program files (x86)\MPCFilters\mpegsplitter.ax"`. Press enter. A window will appear confirming the mpeg splitter registration.



```
Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

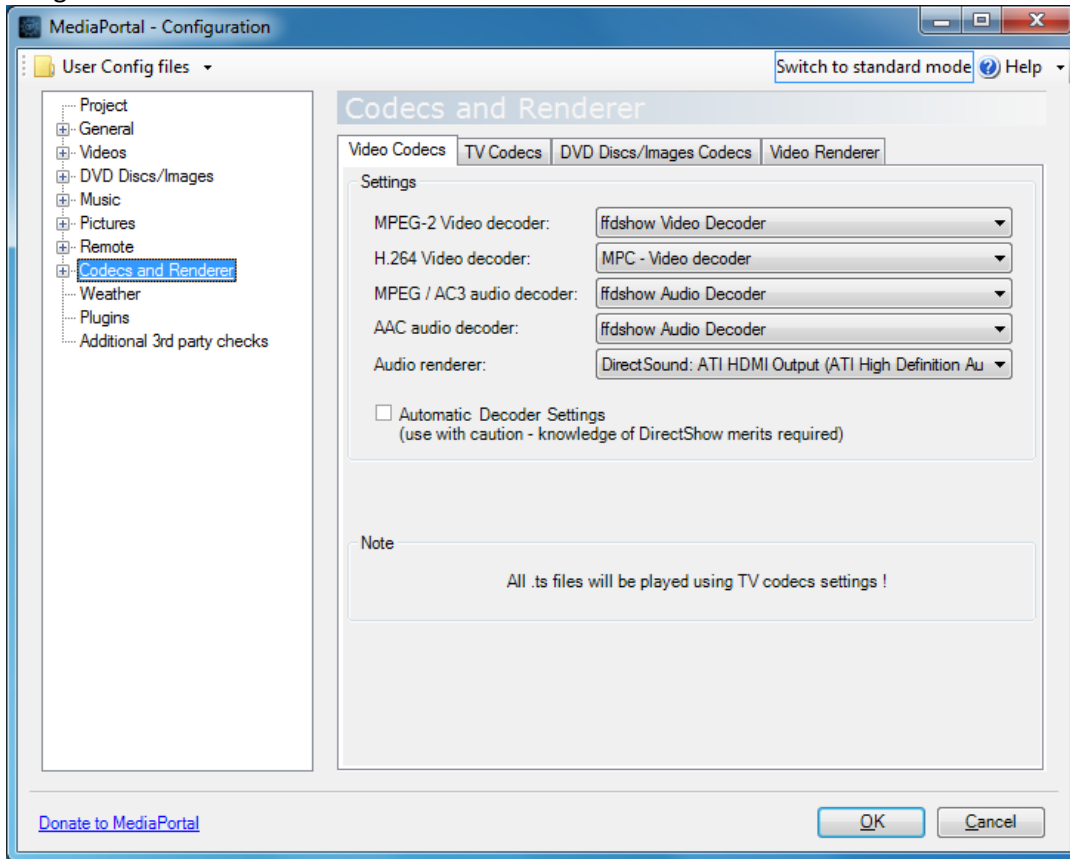
C:\Windows\system32>regsvr32 "c:\program files (x86)\ffdshow\ffdshow.ax"
C:\Windows\system32>regsvr32 "c:\program files (x86)\mpcfilters\mpcvideodec.ax"
C:\Windows\system32>regsvr32 "c:\program files (x86)\mpcfilters\mpegsplitter.ax"
```



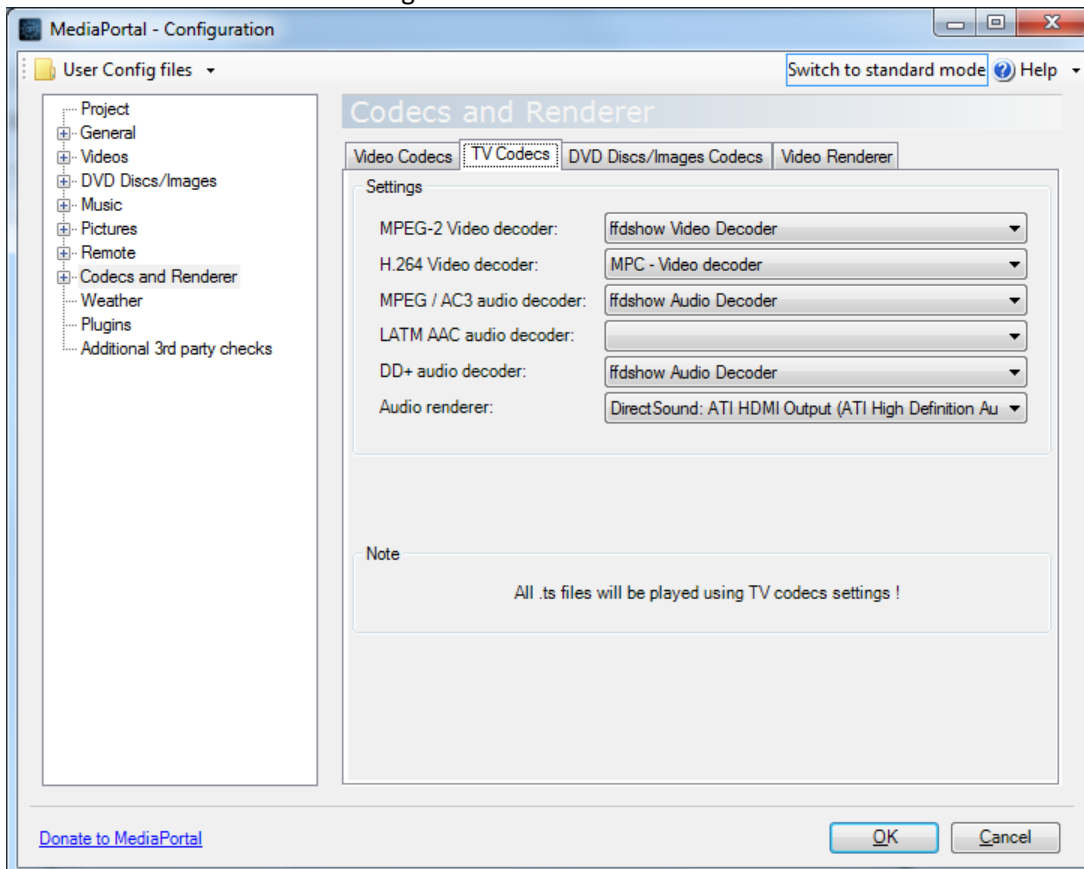
Close out the open windows.

Configure Media Portal

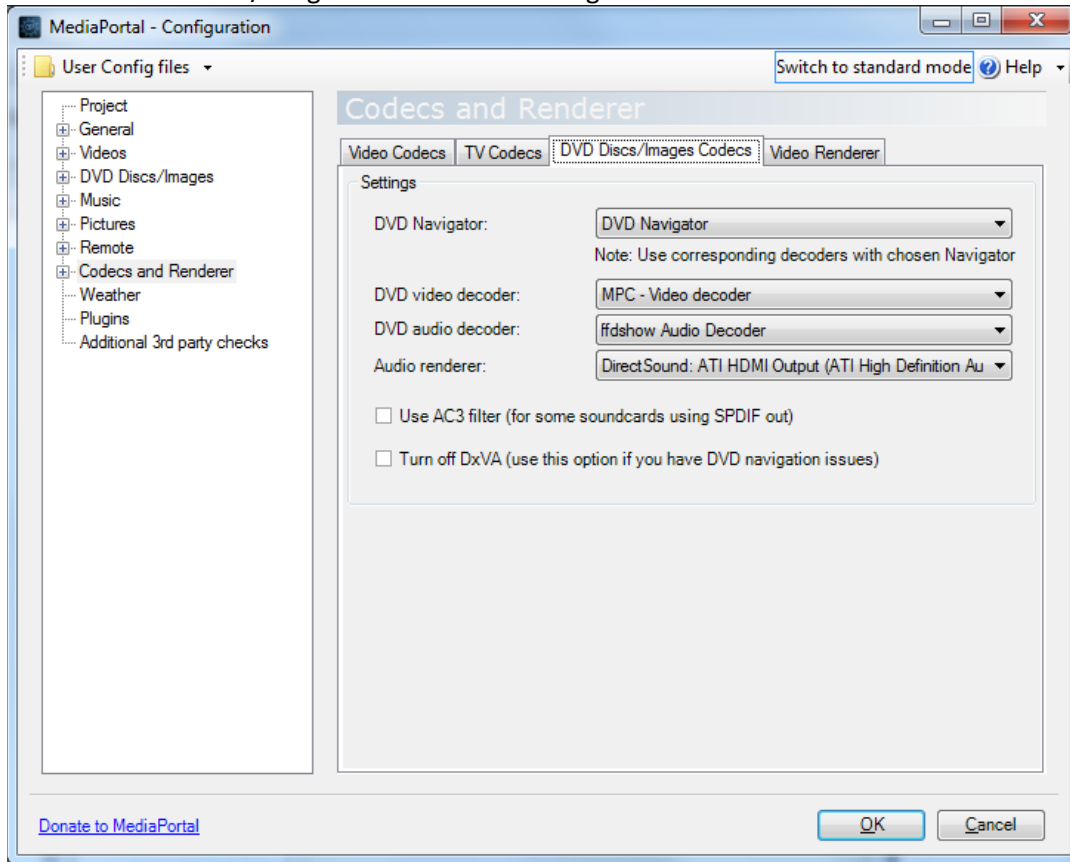
Start the Media Portal Configuration utility. Scroll down to the Codecs and Renderer and select the Video Codecs tab. Configure it as follows:



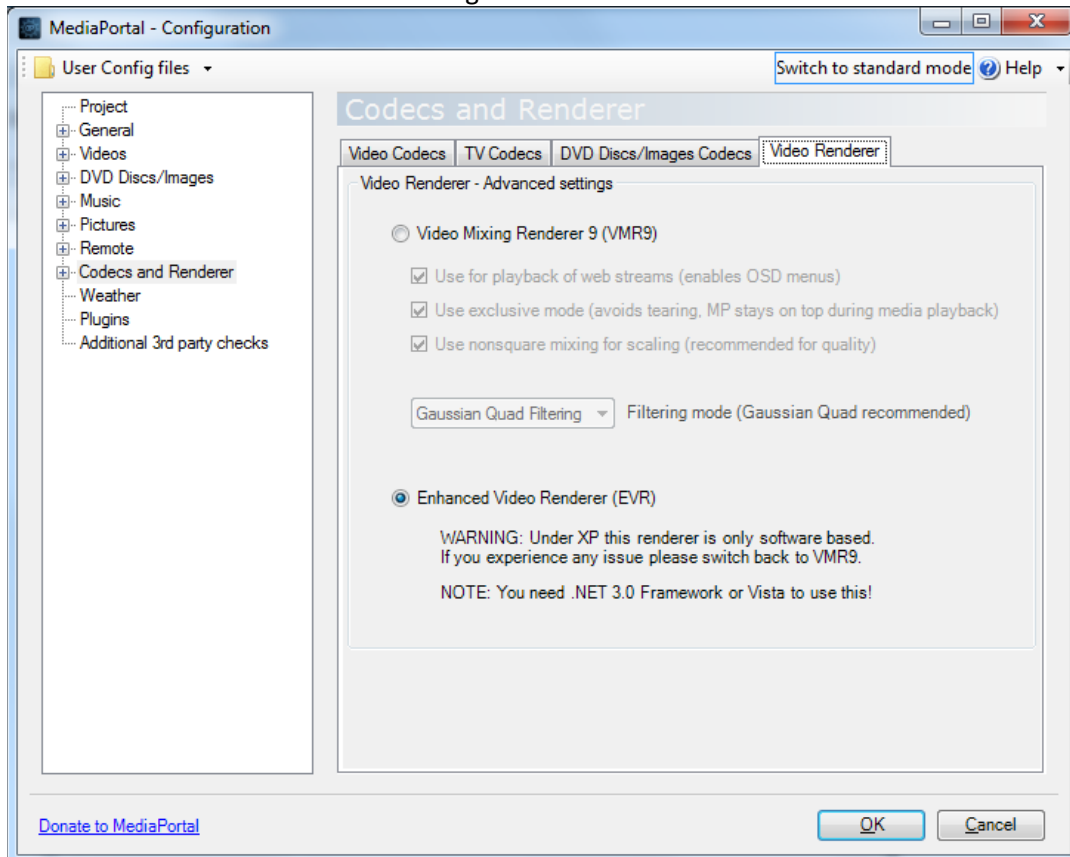
Select the TV Codecs tab and configure it as follows:



Select the DVD Discs/Images Codecs tab and configure it as follows:



Select the Video Renderer tab and configure it as follows:



Press OK and save configuration changes. Everything should now be set – give it a try.