

Using DVD Decryptor to Demux a DVD

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Purpose:

This guide is used to show you how to demux files from your DVD. The files begin demuxed are subtitles, movie, and the sound files from the DVD. However, this step will not help you extract out the menu.

Why do we want to get the Raw file?

There are various reasons why someone will want to get these individual files. Some of these are:

1. They want to take the subtitles files and make their own subtitles out of it.
2. They want to take the audio file and make an mp3 file out of it so that they can listen to the movie on their iPod, etc

***Please note:** All development on DVD Decryptor have ceased. The last version for this program is 3.5.4.0. You might still be able to download this program if you google for it. This was a freeware software.*

Necessary hardware:

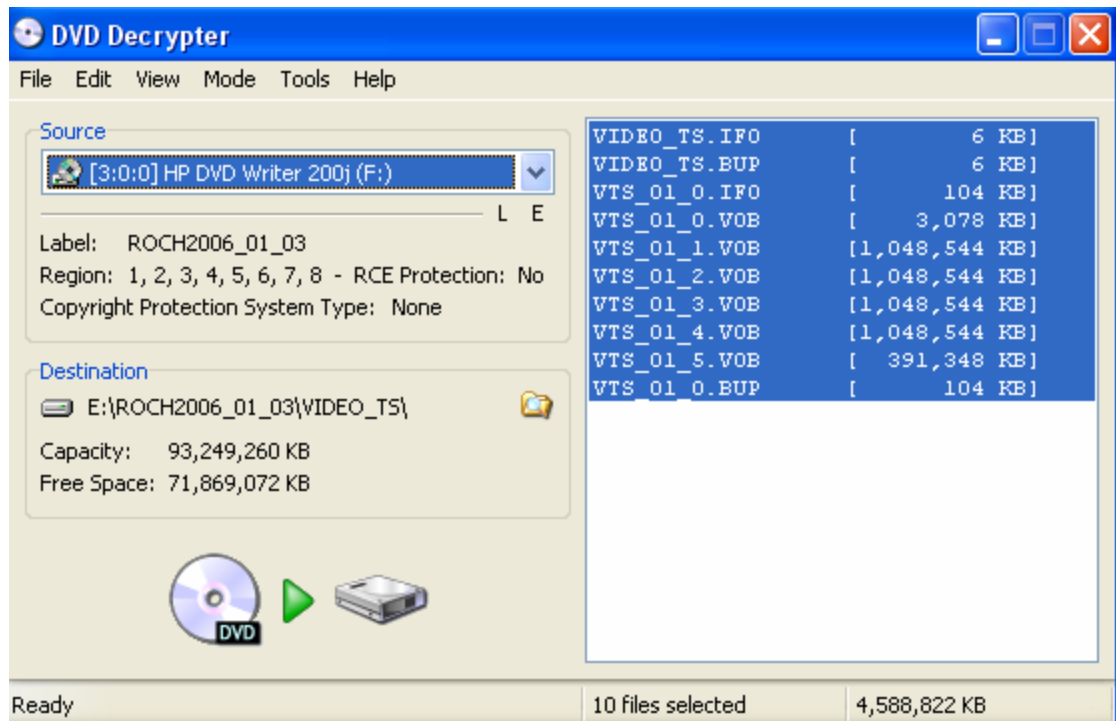
1. A DVD-ROM drive on your PC that is capable of running DVD Decryptor
2. The original DVD

Necessary Software:

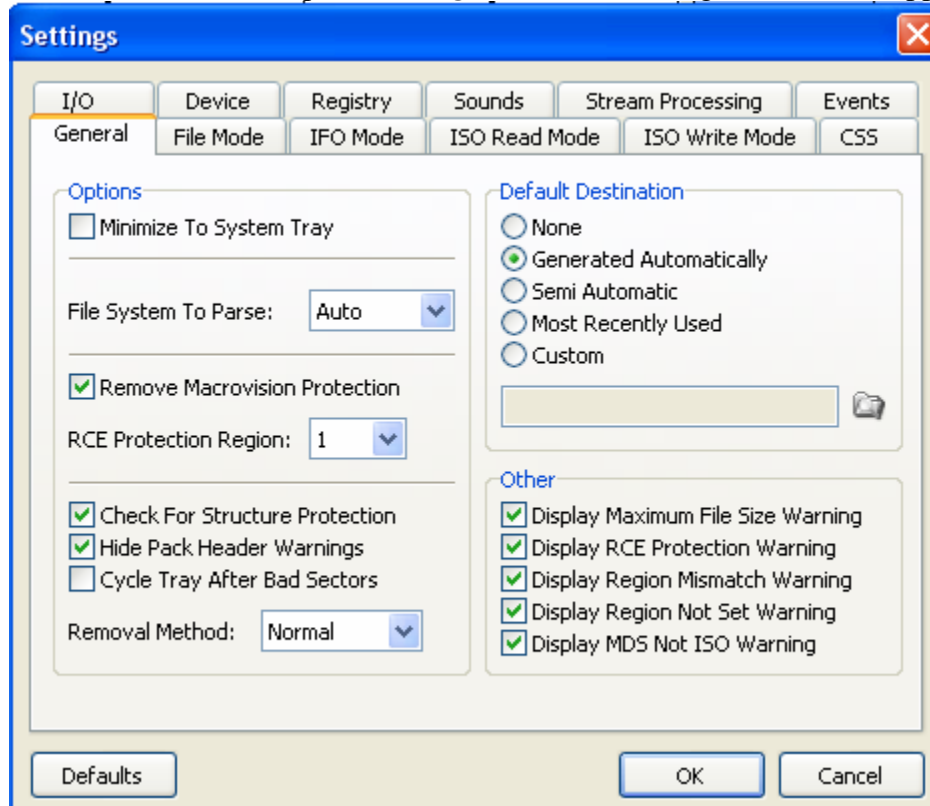
1. DVD Decryptor 3.5.4.0
 - a. One thing to note is that DVD Decryptor is no longer being updated, so you might need to get another program like DVDSHrink to rip the DVD into ISO and then use DVD Decryptor to get the source files we need. Please refer to this guide: ??????????

How to Do It:

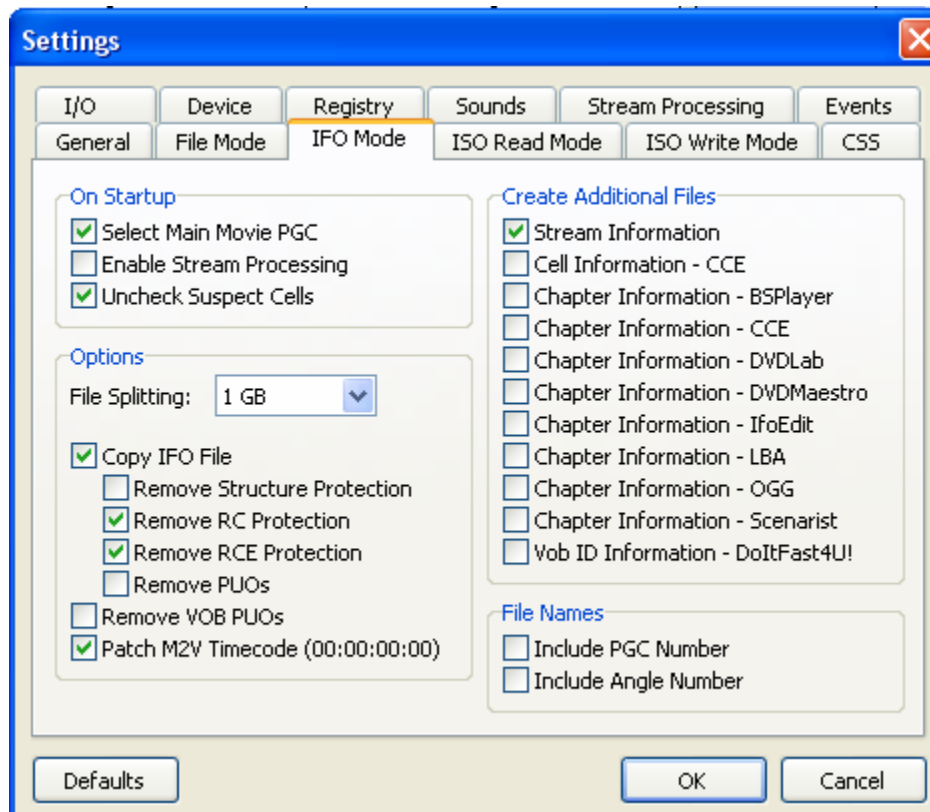
1. If you have the source DVD, insert the DVD into your DVD-ROM on your PC
 - a. If you have an ISO file of the DVD, you will have to mount the ISO using a tool such as **DaemonTools**, which can be found at this URL:
<http://www.daemon-tools.cc>
2. Open **DVD Decryptor**



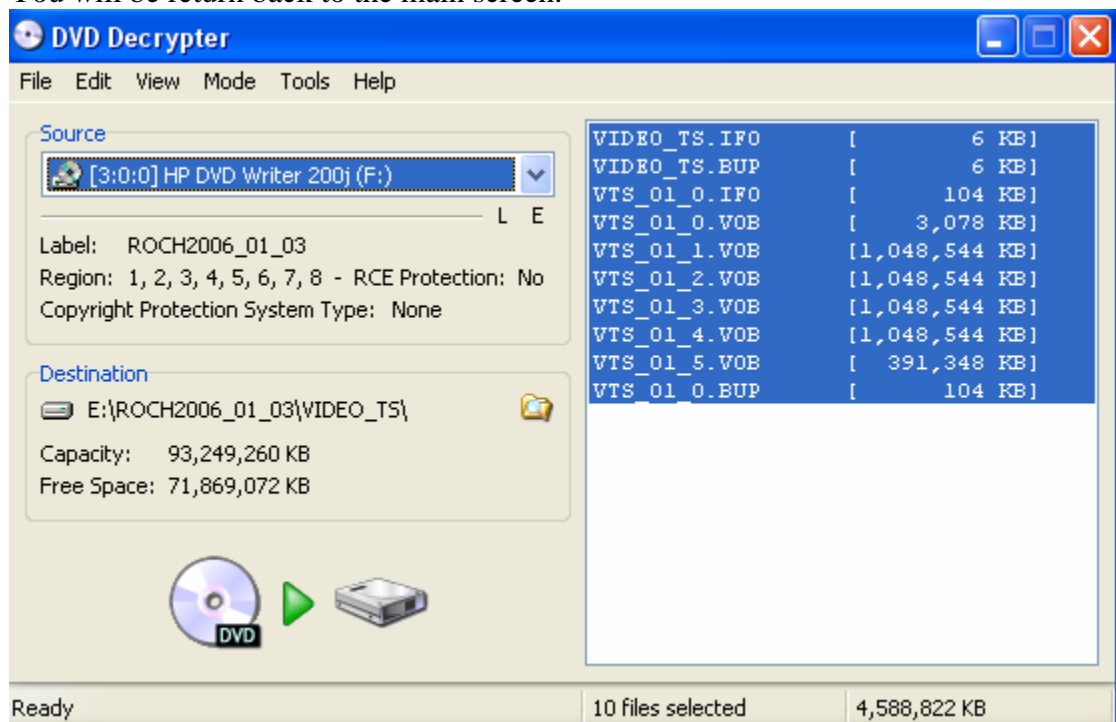
- Go to **Tools** menu and press **Settings** and the following window will appear



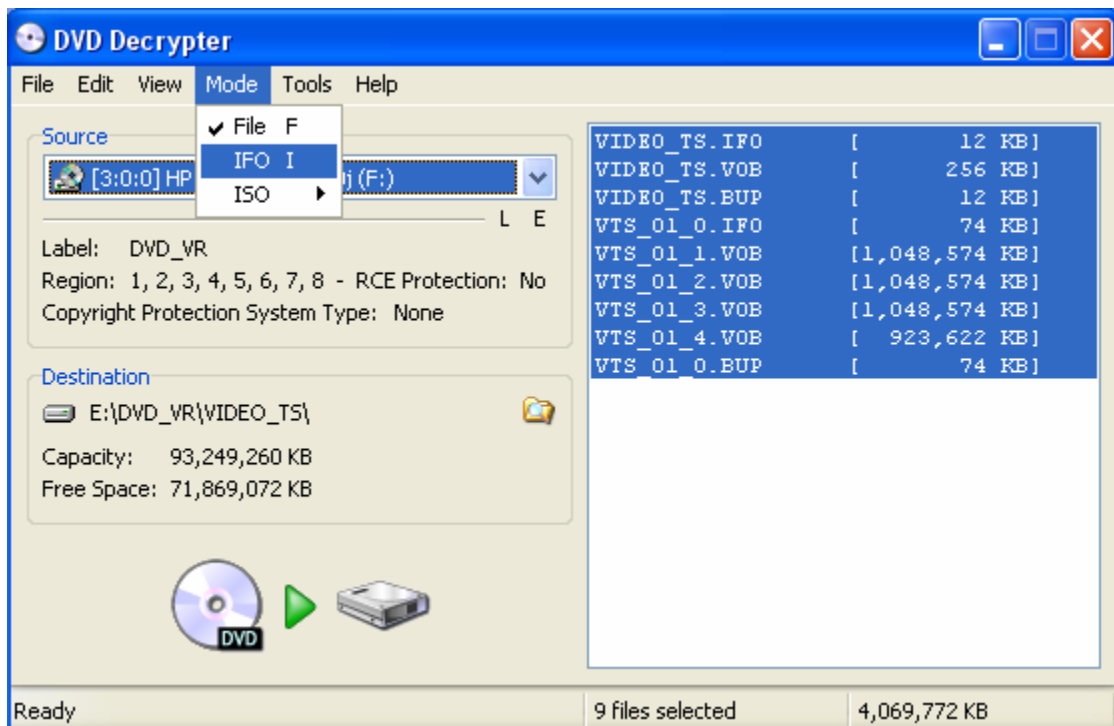
- Choose the **IFO Mode** tab, and set the settings to be like below. And click the **OK** button when done.



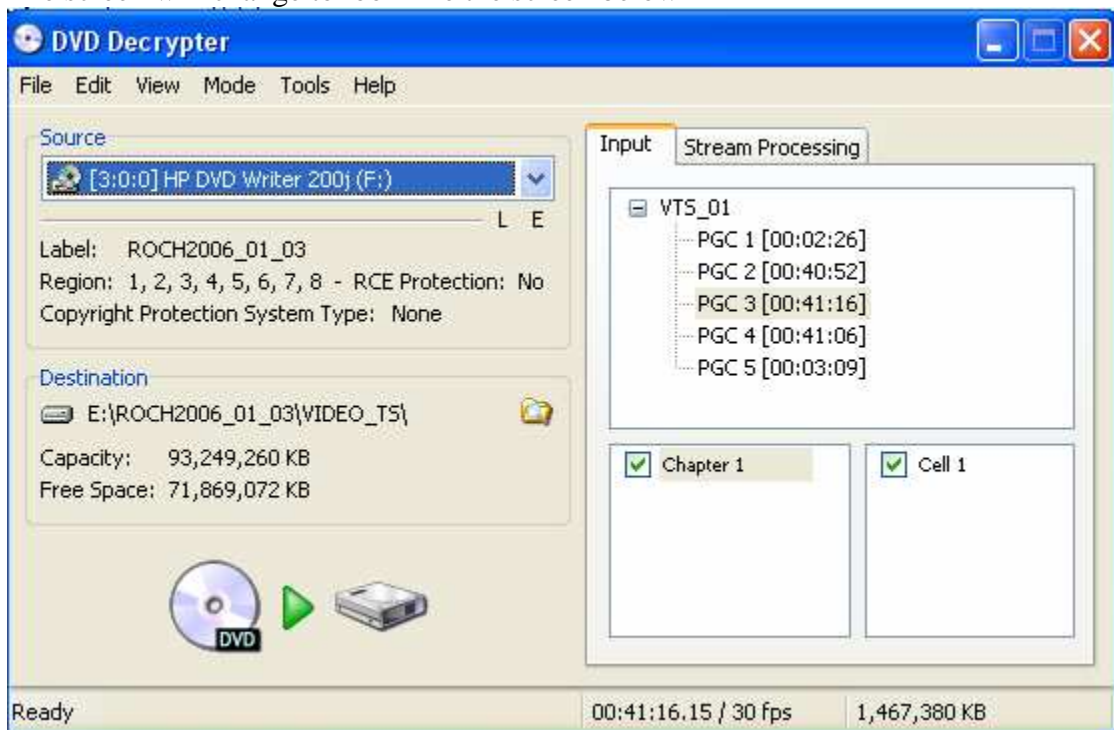
5. You will be return back to the main screen.



6. Click on the menu “*Mode*” and press “IFO”

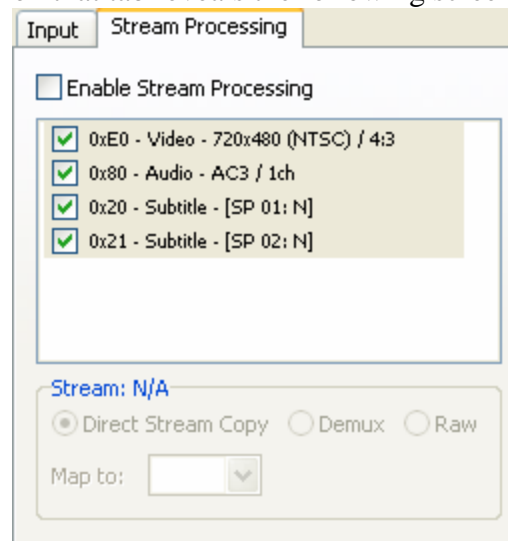


7. The screen will change to look like the screen below



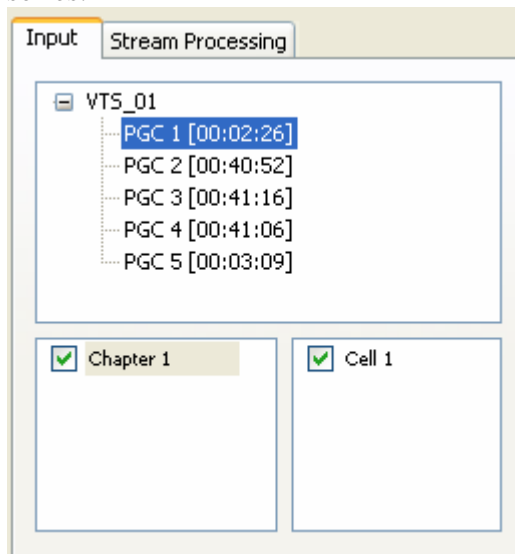
8. Basically, let's take a minute and analyze the picture we see in Step 7
- First of all, you should know what is on the source DVD that you have.
 - If you do not know this, you should consider putting the source disc into a stand alone DVD player and browse thru all the different menu choices this DVD gives you such as how many

- subtitles there are, how many different audio selections there are, and how many different movies or episodes there are on this DVD.
- b. In this example that I am using, this is a home made DVD that I made of Return of the Condor Heroes 2006.
- i. It contains the following items:
 1. Intro Trailer
 2. Episode 1
 3. Episode 2
 4. Episode 3
 5. End Credit
 - ii. I personally know that each of these items above contain 2 selectable subtitle and 1 audio track
 - iii. I also know that there is a menu in here, but DVD Decryptor in IFO mode ignores this.
- c. Back to Step 7 picture, looking at the “Input” Tab, we basically see a folder tree that say VTS_01 and PGC 1 thru 5.
- i. What this mean is that this disc is pretty simple, it have 5 different movies files within it. This corresponds to what we know in Step B.
 - ii. If we click on each individual PGC, we will also see that this have only 1 chapter in each of the movie file.
 - iii. Next to the PGC, it also tell you how long each movie file is.
 1. The first movie is a little bit over 2 minutes which corresponds to it being the Intro Trailer
 2. The next 3 movies are around 46 minutes each, which correspond to the length of each of the 3 episodes
 3. The last files is slightly over 3 minutes, which correspond to the length of the Ending Credits
 - iv. Next to the **Input** tab, there is a **Stream Processing** tab. Clicking on that tab reveals the following screen:

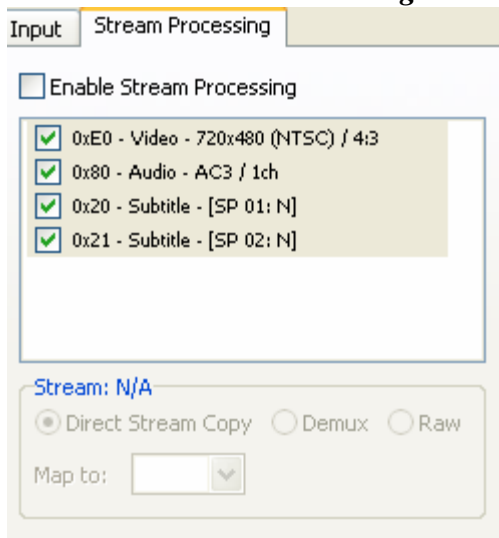


- v. Basically it says for this selected PGC, there is the following items:
1. Video file that is in NTSC format at a 4:3 resolution rate

2. An audio file in the AC3 format
 - a. Depending on certain DVD, it will sometime tell you what language the audio file correspond to
 3. 2 Subtitles files.
 - a. Depending on certain DVD, it will sometime tells you what language the subtitle files correspond to
 - vi. Again everything corresponds to what I personally know about the DVD in Step B.
 - d. We are now done with the Informational purpose. We are ready to begin
9. We must rip each PGC file individually. So we must choose the PGC file we want from the **Input** Tab. I will choose PGC 1, which is the Intro Trailer for this series.



10. Click on the **Stream Processing** Tab



11. Click on the Enable Stream Processing CheckBox

Input Stream Processing

☒ Enable Stream Processing

☒ 0xE0 - Video - 720x480 (NTSC) / 4:3

☒ 0x80 - Audio - AC3 / 1ch

☒ 0x20 - Subtitle - [SP 01: N]

☒ 0x21 - Subtitle - [SP 02: N]

Stream: 0xE0 - Video

☒ Direct Stream Copy ☐ Demux ☐ Raw

Map to: 0xE0

12. Now select each individual lines that you want in the screen above, and choose Demux

a. I wanted the video file

Input Stream Processing

☒ Enable Stream Processing

☒ 0xE0 - Video - 720x480 (NTSC) / 4:3

☒ 0x80 - Audio - AC3 / 1ch

☒ 0x20 - Subtitle - [SP 01: N]

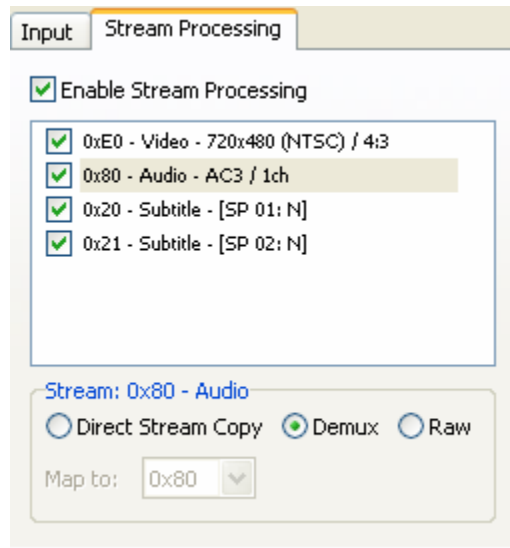
☒ 0x21 - Subtitle - [SP 02: N]

Stream: 0xE0 - Video

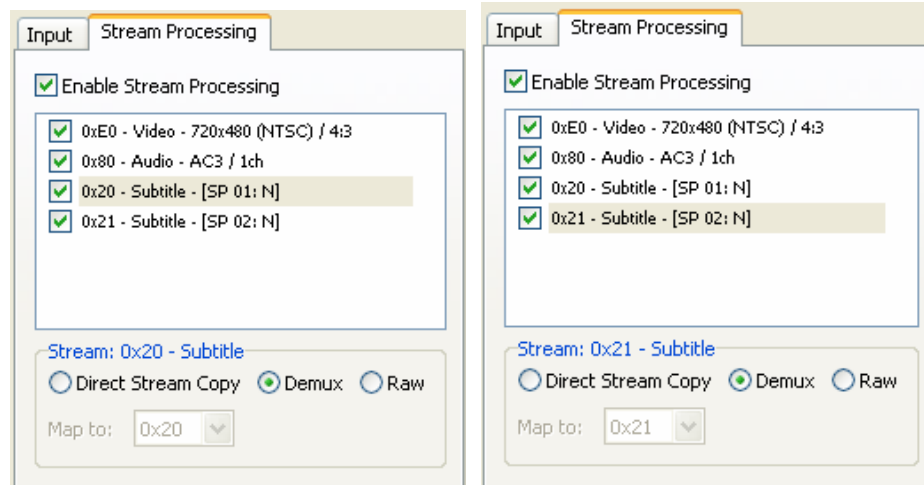
☐ Direct Stream Copy ☒ Demux ☐ Raw

Map to: 0xE0

b. I wanted the audio file

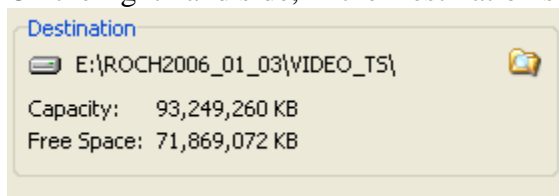


c. I wanted each of the subtitle files



d. Remember, if you do not do this line by line, the default will be Direct Stream Copy

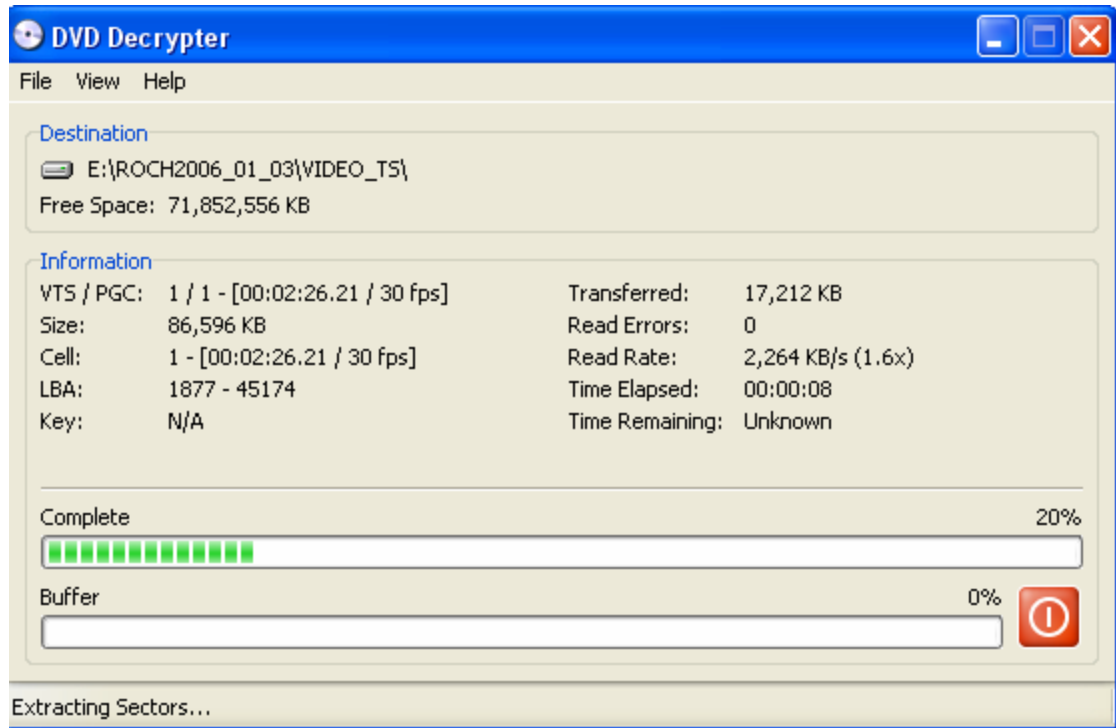
13. On the right hand side, in the Destination side, choose where you wish to save this



14. Then click on the button below it for it to Demux all the files you selected



15. DVD Decrypter will show you the following screen to show you its progress



16. When it is completed, it will display the following screen



17. Click Ok.

18. Repeat Step 9 thru 17 for each of the PGC you wish to Demux.

- a. Remember to change the file destination appropriately so that you don't accidentally overwrite anything

19. After you are completely done, close DVD Decryptor

20. Use windows explorer to go to the Destination folder of where you save the files and you will see the following

Name	Size	Type	Date Modified
VTs_01_1 - 0x80 - Audio - AC3 - 1ch - 48kHz - DRC - DELAY 0ms.AC3	2,295 KB	AC3 File	4/8/2006 10:18 PM
VTs_01_0.IFO	104 KB	IFO File	4/8/2006 10:18 PM
VTs_01_1 - 0xE0 - Video - MPEG-2 - 720x480 (NTSC) - 4~3.M2V	82,214 KB	M2V File	4/8/2006 10:18 PM
VTs_01_1 - 0x20 - Subtitle - [SP 01~ N] - DELAY 24030ms.SUB	26 KB	Subtitle File	4/8/2006 10:18 PM
VTs_01_1 - 0x21 - Subtitle - [SP 02~ N] - DELAY 24030ms.SUB	32 KB	Subtitle File	4/8/2006 10:18 PM
VTs_01 - Stream Information.txt	1 KB	Text Document	4/8/2006 10:18 PM

21. Quick analysis of what all these files are:

- a. The AC3 file is the audio file of this movie
- b. The IFO file is useful in a program like SubRip when you are trying to get the timings from the Sub file
- c. The M2V file is the video file of this movie. There are no audio within this file.

- d. The SUB files are the subtitles files in a binary format.
 - i. You will have to use a program like SubRip to extract these out into a text format using it's OCR program or for it to create BMP files of each line of Subs. Please refer to this guide for further information: ??????????
 - e. The text document tells you information such as any time delay that are associated with the subtitle files and audio file.
- 22. This is it for this guide. Special thanks should be given to TheMatrixx on VideoHelp.com for his guide which this is based on. I stoled from it shamelessly. Here is a link to his guide. <http://forum.videohelp.com/viewtopic.php?t=219535>