Copy a full DVD movie on one disk

Posted by DoMiN8ToR on Monday 5 March 2001A BIGPLUTER FAQ

This FAQ will tell you how to copy a full DVD film onto one disk, with excellent video quality and sound. But before I get started you must have these programs in order to do it because without these you cannot do it cheaply, basically you would have to buy a dvd ripper and some very expensive disks.

Programs needed:

- Dvd to Mpeg squeezer.
- Panasonic Plugins.
- Xing encoder and Xing player (Xing player optional as windows player can run them).

You will probably find them at DVDSoft.net

Once you have installed (here's help) all these programs correctly you have to apply the appropriate settings.

1. Before you start the Dvd to Mpeg squeezer you have to initialize the encoder, then when the box appears you have to click on options.
2. Click on the capture settings box.
3. The frame rate must be 23.976fps.
4. Maximum frame number must be set at 300,000.
5. Leave a tick in the stop capturing by title change.
6. Leaving a tick in add bands is optional as this is for the zoom function.
7. No ticks in the other 2 boxes.
8. Resize filter set to BiCubic filter.
9. Interpolation mode set to No Interpolation.
10. Then come out of that menu and go into MPV settings.
11. This is the main part of the rip and you must get these settings exact or it will not fit on one disk.
12. The Data Rate (kbits/sec) Video must be set to 600kbits/sec delete the number what's in and put that one in the Video. The Audio must read 224 and the System must say 824 and the Stream format must be MPEG1.
13. Noise Reduction must be set to: Medium.
    Video filter must be set to: Adaptive.
    Level must be set to: Strongest.

    Color tone optional but I set it to TV.

These are the settings for a full film rip and full match source taken from a Dvd.

This is the amount of film you can put on:
1. 650 meg disk equals to 106 minutes of
2. 700 meg disk equals to 116 minutes of film.

Now if a film is longer than 116 minutes you will have to encode the film at a lower meg rate. To do this you will have to encode the ripped Dvd down to an NTSC rip or even lower down to a PAL rip. This should put any film onto 1 disk then, but this will still be a very good quality. If you encode a film even lower than PAL say a 384k rip you could get up to 4 hours of film on 1 disk but the quality of the film degrades drastically but watch able from 7 feet away.

This FAQ was written by Bigpluter and can be modified only by someone who has got a littlepluter, but if you do let me know ok.

ONLY BIGPLUTER MAKES IT POSSIBLE.

Reaction by fzkuno on Tuesday 6 March 2001seen as how the goal is not to make a vcd compliant Mpeg stream, why not compress the audio further.. 112 kbit/s does the trick for me..
and why not use DivX instead.. mpeg 1 video is not necessarily the best format, because much of the computing power will go into the bicubic filtering necessary to downscale the video to a cif format in OK quality.

video:
640*320 (for widescreen)at 600kbit/s DivX lowmotion with a keyframe every 3 secs.
bilinear filtering.
and
Audio:
112 kbit/s mp3
and you're all set..I choose DivX low motion because of the nature of the films I usually back up, but fastmotion could be applied as well.

sure the quality of mpeg is good, because of the frequency of keyframes, (1/15 I think..) but the problem is the bicubic filtering, and the rescaling to 352*X
it's just not too cool..