

How to Backup DVDs

Utilizing DVD Decrypter and DVD Shrink

**** This process is ONLY for backing up DVDs you own in case the original is damaged. All other uses are illegal!!!!!! ****

- Insert DVD to be backed up in your PC's DVD drive.

If any programs open when the DVD is inserted, cancel or close them.

Ripping DVD with DVD Decrypter

- Start DVD Decrypter

This is a freeware tool that allows you to decrypt any copyright protection and copy the DVD to your PC's hard disk
Download at <http://www.dvddecrypter.com>
This document uses version 3.5.1.0

- Select Region

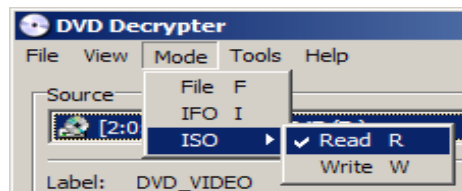
If the DVD has RCE copy protection the below box will come up.



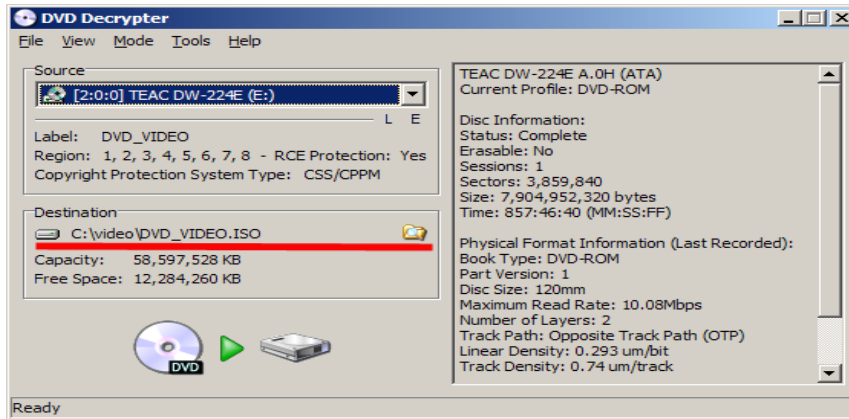
Select the region of the DVD.

- Set DVD Decrypter to output to .ISO (DVD file image)

Select Mode / ISO / Read



- Set the path and filename for the dvd image file (click the small folder icon above the red line)



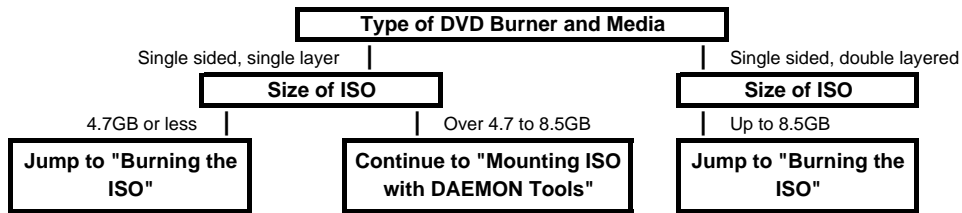
- Click the below "Button" to start the "ripping"



- The process will finish, leaving an ISO.

This ISO will vary in size depending on whether the DVD is single/double sided and single/dual layered. Each combination can result in up to 4.7GB each. For example if you had a single sided, single layered DVD it could be up to 4.7GB. If you had a single sided, dual layered DVD it could be up to 8.4GB (4.7GB per layer).

- Determine what needs done now (see below)



Mounting ISO with DAEMON Tools

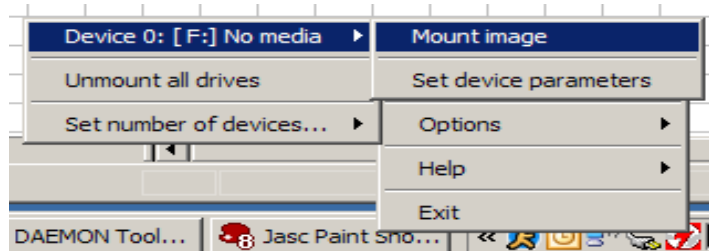
- Install DAEMON Tools (if not installed already)

This is a freeware tool that allows you to mount an ISO as a virtual CD / DVD
Download at <http://www.daemon-tools.cc/>
This document uses version 3.47

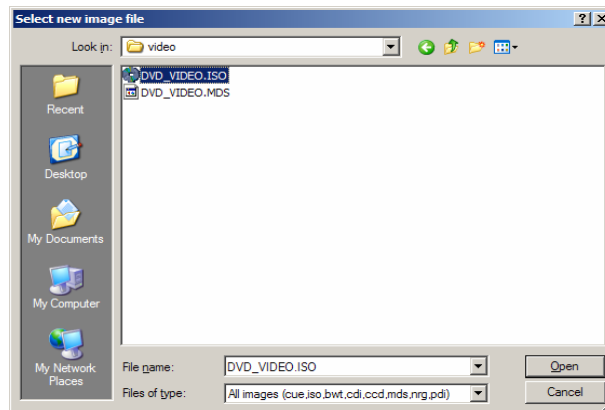
- Right-click the DAEMON Tools icon in the system tray (by the clock)



Then click **Virtual CD-DVD-ROM, Device O:, Mount image**



- You will now be prompted for an ISO to mount. Pick the ISO you created with DVD Decrypter.



- You now have another drive letter with this virtual DVD mounted. Close any programs that just "started" with the "insertion" of the DVD

Reduce ISO Size to fit on Single Layer with DVD Shrink

- Install DVD Shrink (if not installed already)

This is a freeware tool that rips an unprotected DVD and creates an ISO. The ISO size is selectable along with some of the content.
Download at <http://www.dvdshrink.org/>
This document uses version 3.2.0.15

- Set DVD Shrink to compress the output file to fit on a single layer

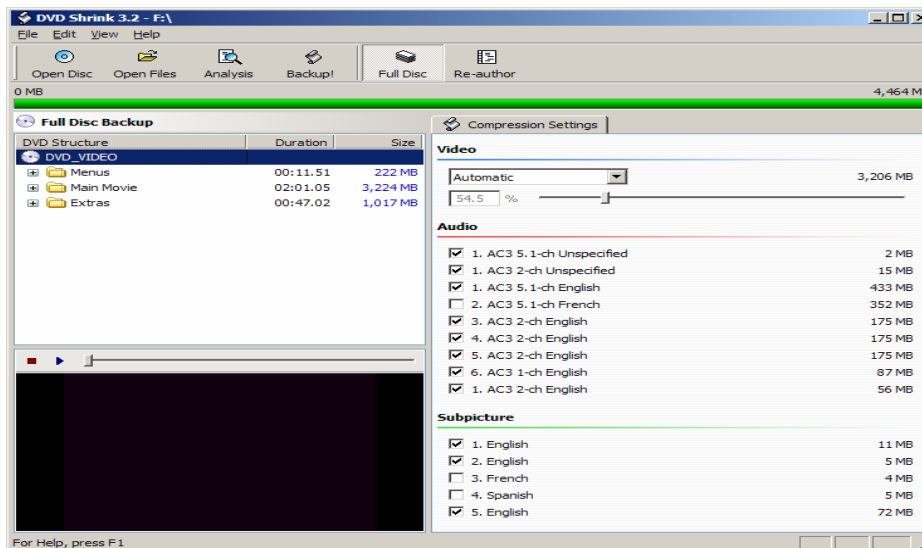
Go to EDIT, PREFERENCES, Set drop-down to DVD-5 (4.7GB)

- Select the "Open Disc" button, select the virtual DVD-ROM you created with DAEMON Tools in the previous step

DVD Shrink will analyse the DVD. It may take a few minutes.



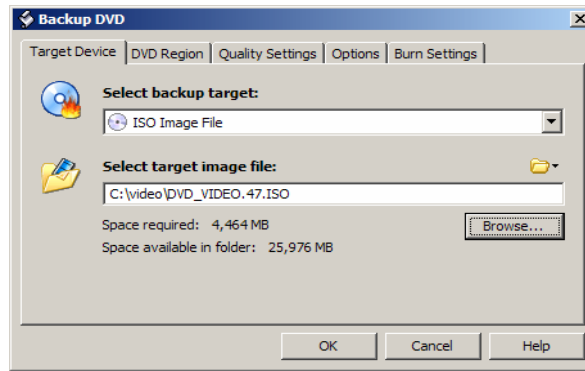
- DVD Shrink should now show the DVD structure. You can uncheck non-english audio. You probably should not uncheck anything you are not sure about. Unchecking things will result in the DVD not being compressed as much (better picture and sound)



- Click the "Backup!" button to start the rip



- Select "ISO Image File" and a path for the smaller ISO (Do not use the same name as the previous ISO). Select OK will start the rip.



Burning the ISO

- Install DVD burning software that supports burning ISOs (images)

Most DVD burners come with DVD burning software. If the software you have does not support burning ISOs, images you can burn Nero software at most store or download for a fee from nero.com. 30 day trial software is also available there.

This document uses Nero Burning ROM V5.5

- From Nero Burning ROM, select File, Burn Image. Select the ISO you want to burn on the DVD (probably the most recent)

When the burn process completes, you should have a backup/copy of your original DVD for safekeeping.

