

Converting a video file to steam from a CF card on the SIDE2 cart

Instructions by Nir Dery

Required tools

- a) Video file you want to convert (in AVI, DIVX, MPG format etc..)
- b) VirtualDub tool (with DIVX codec recommended)
- c) Win32 Disk Imager
- d) encaudio.exe, encvideo60n.exe,

- 1) Load the file into VirtualDub by clicking on File => Open Video File and selected the file name , for example name: guardian.avi



- 2) Go to FILE => Load Processing Settings and select the script according to the region (PAL or NTSC), i.e for NTSC select the file "a8_ntsc.vdscript"

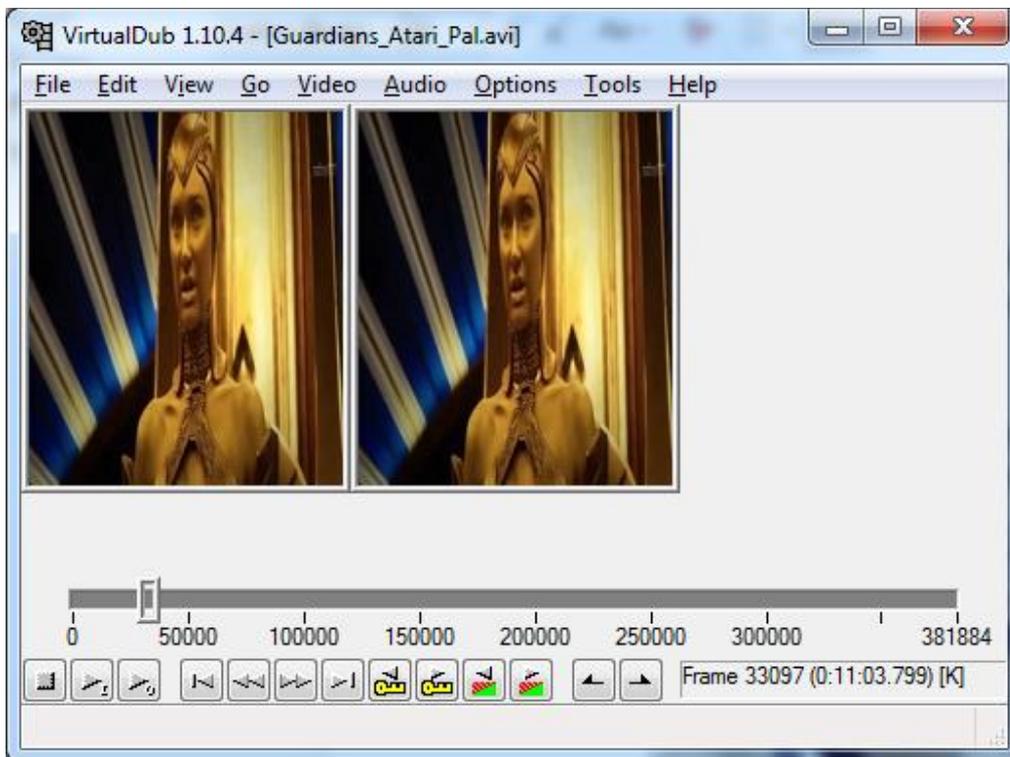


3) go to FILE => Save as AVI



Enter the file name if the new converted file (i.e. guardian_Atari_ntsc.avi)
The video file will be converted to Atari size

4) now load the converted file by going to File => Open Video File (and select the file created the step above)

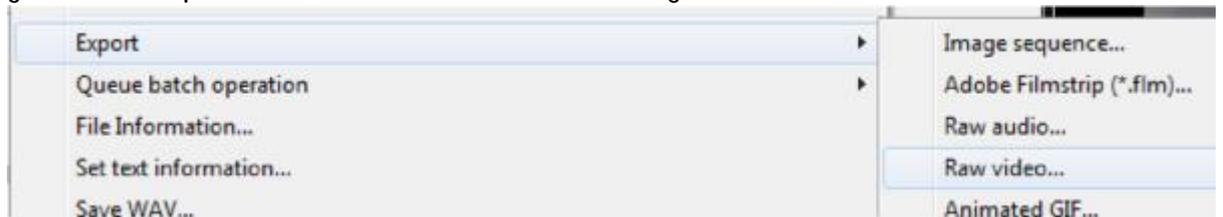


5) go to File => Export => Raw Audio and save the file



Enter the file name: Galaxy_audio.bin

- 6) go to File => Export => Raw Video and select these settings



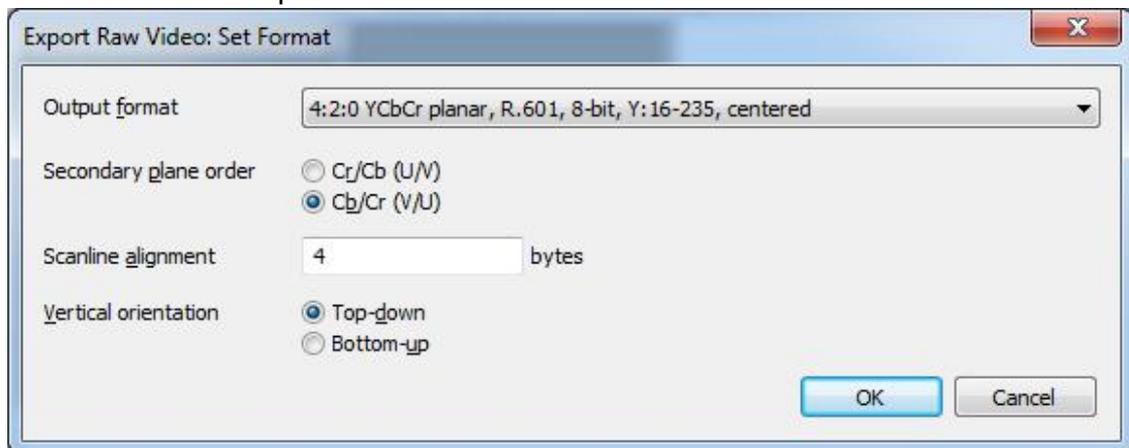
Use these settings:

Format: 4:2:0 YCbCr planar, R.60.1, 8-bit, Y:16-235 centred

Secondary plane order: Cb/Cr (V/U)

Scanline alignment: 4 bytes

Vertical orientation: Top-down



Enter the file name: Galaxy_video.bin

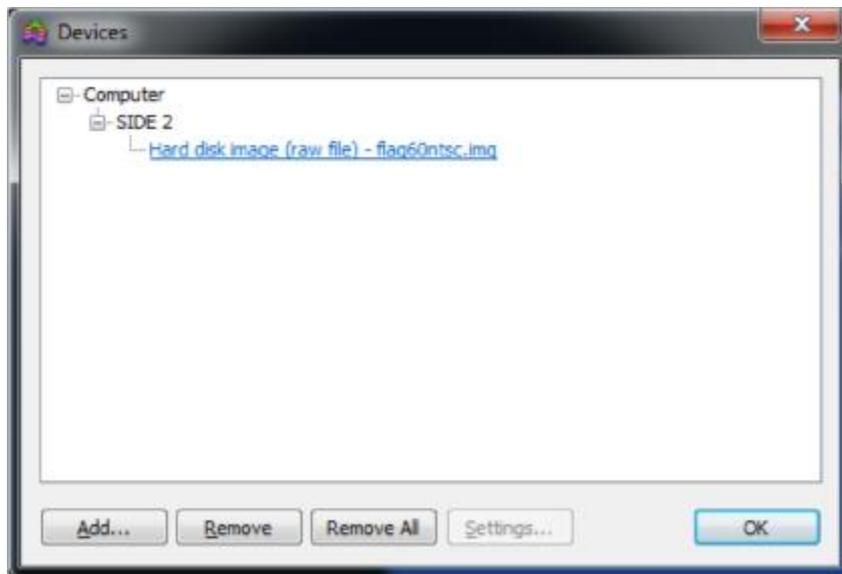
- 7) to encode NTSC Audio do the following
 in command prompt type: encaudio60.exe audio.bin < Guardian_audio.bin
 a new encoded "audio.bin" file will be created
- 8) to encode NTSC Video do the following
 in command prompt type: encvideo60.exe video.bin < Guardian_video.bin
 a new encoded "video.bin" file will be created

- 9) to combine both file do the following in command prompt type:
mux60n.exe video.bin audio.bin Guardians_ntsc_CF.img

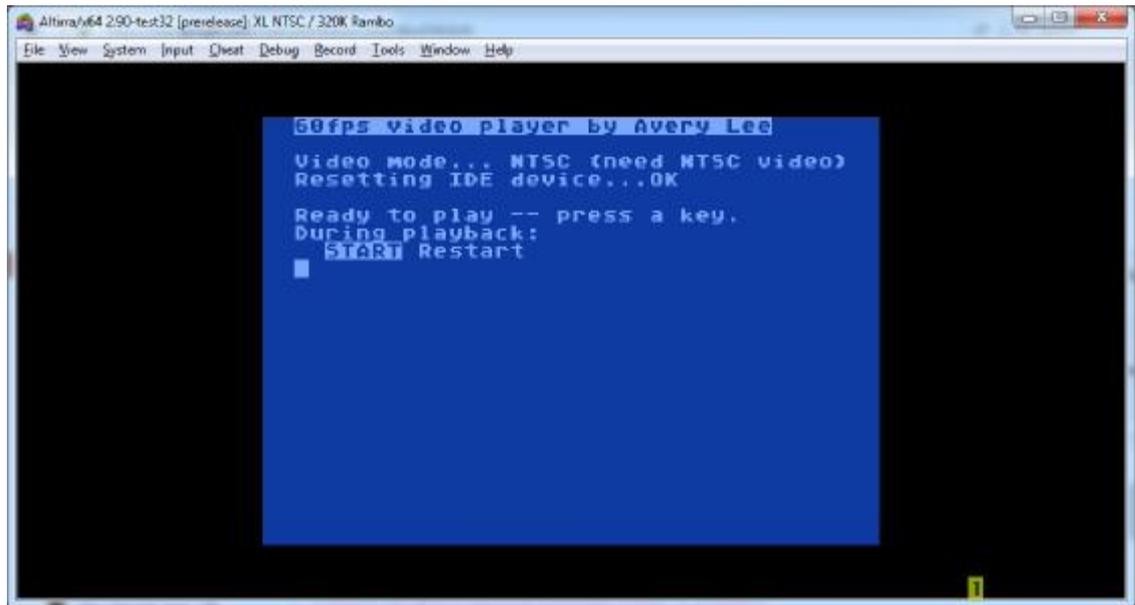
a new file named Guardians_ntsc_CF.img will be created

- 10) now you can test the created Compact Flash image on Altirra Emulator by Load the
"Guardians_ntsc_CF.img" file as a Hard disk image of SIDE2 Cart

go to Devices and add the SIDE 2 Hardware, then add a Hard disk image and point it to
the IMG file that was created in the previous step



Mount the Movie Player at ATR file as disk 1 and boot the computer.
You should get the following screen. (Press any key to start playing the video)



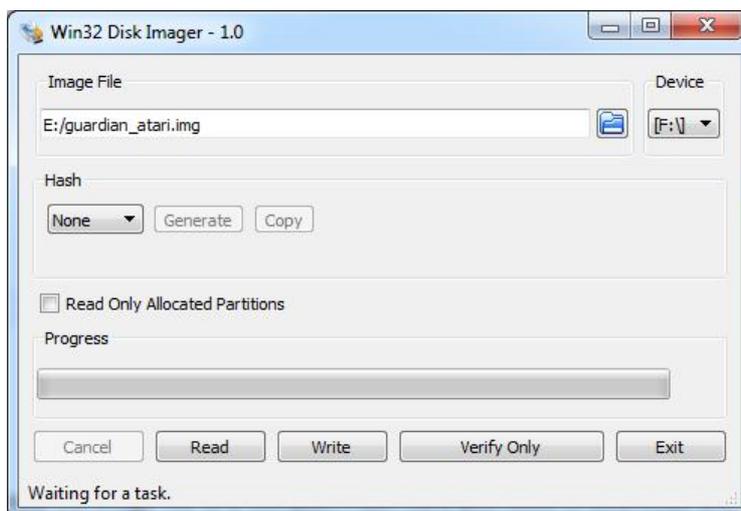
- 11) to copy the Image file to a Compact Flash Card you need to download and install the WIN32 Disk Imager software

After installation open the Win32 disk imager tool and browse and select the Image file that was created,

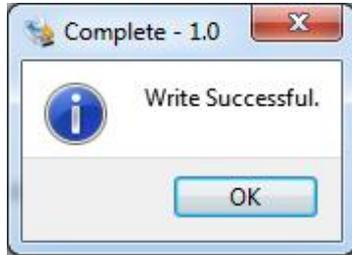
At Device drop down menu select the drive letter of your Compact Flash card,

Note: be careful to select the correct drive that your CF Card adaptor was detected!!

Then Press "Write" and the RAW image data will be written to the CF card, (make sure you have a big enough CF card to contain the Image file you created)



When finished you can remove the CF card from the computer and insert it to the SIDE2 Cart



12. To load the video on a real ATARI computer make sure that the switch on the SIDE 2 cart is on the 'DOWN' position (SpartaDos X mode) insert the cart to into the ATARI computer and boot the machine

You can mount the Movie Player ATR on drive 1 using an SIO2PC or you can do the following to make the cartridge bootable.

- a. When you see the D1: prompt in SpartaDOS x type: FDISK [ENTER]
(note: FDISK require a computer with more than 64k)