



Video Capture kit for the Apple Mac running OSX.

Introduction.

Thank you for purchasing our Mac compatible video capture kit. It will allow you to capture video from VHS VCR players, older analogue camcorders and even hard drive equipped Freeview PVRs using the supplied VideoGlide software.

You can then edit the footage in iMovie & burn the result to DVD using iDVD. You can also use Handbrake to convert any videos you make for use on iPhones, iPads, iPods or YouTube.

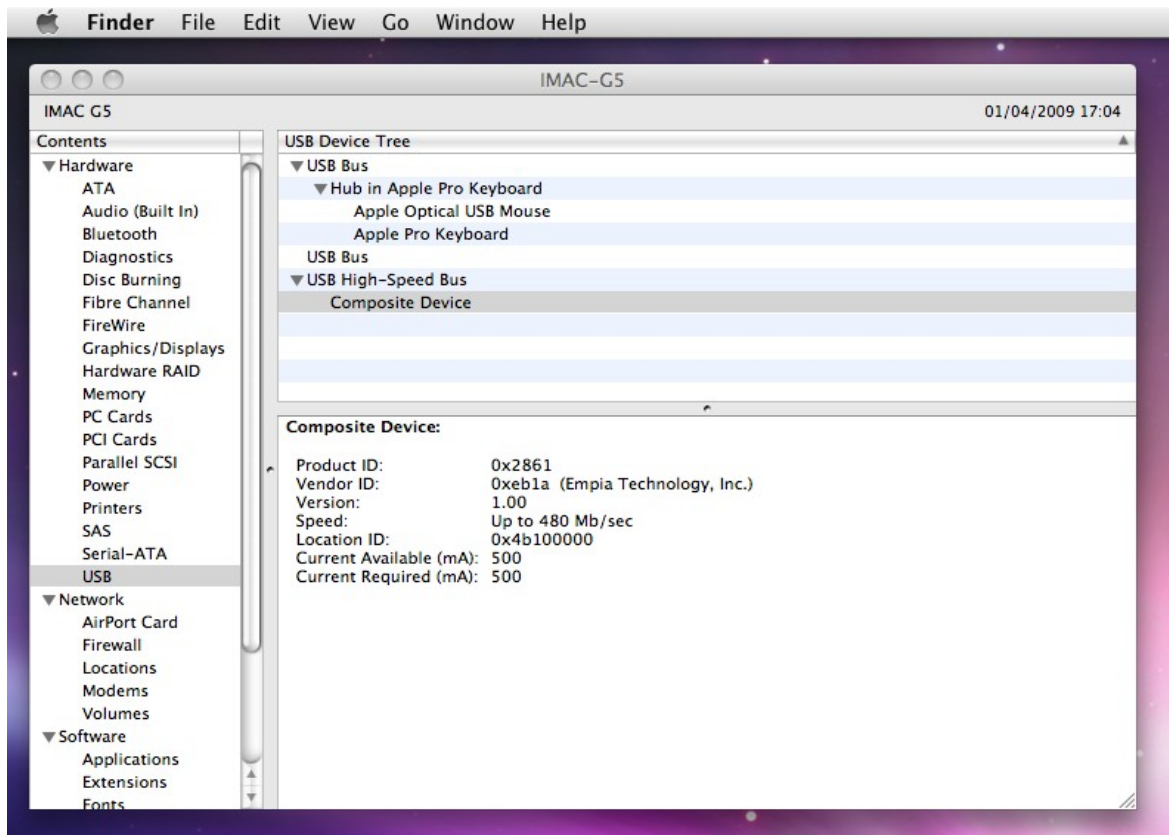
VideoGlide is only licensed for use on one Mac at a time. It works with OSX 10.3.9 → 10.7 on both PowerPC & Intel processors. Your unique serial number is printed on the back of the paper CD sleeve & Videoglide will ask for it.

VideoGlide supports uncompressed (YUV422), H.264 (native iPod/iPhone/iPad) & MPEG-4 file capture modes.

Setup.

Remove the black plastic cap & plug our USB video grabber directly into the USB port on your Mac.

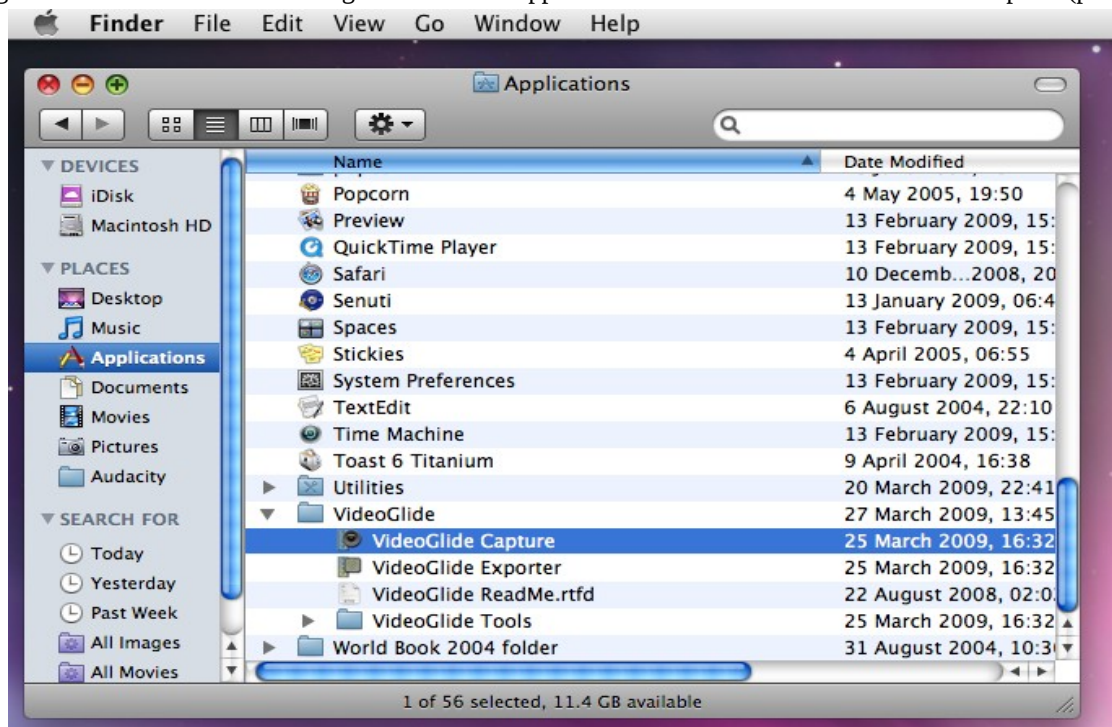
To check the device is functioning correctly: Go to the Apple logo in the top left of the screen → About This Mac → System Report → USB → USB High Speed Bus → Composite Device → You should see Empia Technology as the chipset maker (photo below). It might not look the same on every Mac, but you should at least see Product ID: 0x2861. The speed should appear as 480 Mb/sec if you have the required USB2 ports.



If you don't see the Composite Device here, then VideoGlide won't find it either. Try using the short USB extension cable. Try the grabber in a different USB socket & then restart your Mac. If you still can't see the device, you either have an old (6 years+) Mac with USB 1 ports (G4 powerbook, 1st Mac Mini etc) or we've sent you a faulty adapter, which we'll exchange.

Software Installation.

Insert our silver CD. When it mounts on the desktop double-click on the CD, then double-click on Video Glide OS X 1.4.8.pkg. When VideoGlide is installed go to Places → Applications → VideoGlide → VideoGlide Capture (photo).



Make sure you have all the leads attached, your VCR/Camcorder turned on, and a tape playing. Now, with VideoGlide running choose Digitizers (centre top of screen) → Videoglide. Your tape should now start playing in a window. If not try a different Scart socket, if you have more than one available on the back of the VCR. (normally use the one marked TV). Don't use RCA input sockets on the front of the VCR – they're inputs only. TV/VCR combos aren't suitable either.

Settings for VideoGlide.

Audio Settings

Go to Record → and check that Record Video & Record Sound are ticked. Go to Sound Settings & check : Source is set to Unknown USB Audio Device; Sample Rate is set to 48.000kHz on OSX 10.3.9 to 10.6.8 (leave at 44.100kHz on OSX 10.7), 16 bit, stereo, set the volume to 100 & gain level to 50. Compression should be set to None. (If you hear feedback it's because the Mac's internal Mic is selected, not the USB audio device.)

Video Settings

Source → USB Video Class Video → VideoGlide → Composite (Your Webcam might be listed also, don't choose it). Compression → YUV422 or MPEG-4 Codec & Motion is 25 fps (frames per second UK/Europe PAL Standard) (YUV422 is best quality, but 1 hour = 60GB file. For smaller file size choose H.264 or MPEG-4. iMovie can import any of these formats into a project) Adjustments → Set Brightness, Contrast & Saturation to your own personal taste.

Capture Resolution for a 4:3 aspect ratio VHS tape → set to either 720x576 for full DVD capture or Custom Size360x288 for native VHS resolution. Frame rate is 25fps for PAL UK format. If the aspect ratio looks wrong try going into the VCR/PVR menus and altering the output Aspect Ratio for the TV (now your Mac) to 4:3 ratio.

Recording.

When everything is set correctly you can start recording by clicking on Record → Record. If the video's audio track was playing it should go silent during the capture process. A pop-up window will appear and when you want to stop the recording you click in this window. Now give the file a name and choose to save it to your Desktop.

Once you have grabbed your video you can import it into an iMovie project for editing or burn to DVD with iDVD. You can also use Handbrake to convert/resize the captured video for use on iPod, Sony PSP or YouTube.

If your Mac has a built-in webcam check that you've chosen the VideoGlide device under the Digitizers menu, otherwise you'll only film yourself. If the audio sounds 'robotic' change the sample rate to 48.000kHz. (not OSX 10.7)

Frequently Asked Questions.

Q. What's the black 4 pin plug socket that's not attached on the the USB device?

A. It's an S-Video connector. As we're using the yellow video signal plug, it's left unconnected. If you decide to capture using an S-Video lead (which only carries video, not audio) you still need to attach the white & red audio leads.

Q. Can I connect your USB video grabber to the Yellow, Red & White sockets on the Front of my VCR?

A. No you can't, as they're only input sockets & we need an output. Connect to the Scart socket on the back of the VCR.

Q. Can I plug your leads into the Scart socket on the back of my Portable TV/VCR combo?

A. Not all combo units have the Scart socket wired for output. Try attaching a 2nd TV, can you see your video playing?

Q. Will the DVDs I create playback in all domestic DVD players?

A. If you use blank DVD-R 4.7GB media, yes they should. Not all home DVD players support DVD+R & DVD-RW.

Q. Should the green LED on the USB capture device come on?

A. The green light only appears with a Mac when you actually start capturing video through VideoGlide. Don't expect it to light up when it's first plugged in.

Q. Which USB socket do I plug your Video-Grabber into?

A. It should be a port directly on the Mac. Don't plug it into the USB sockets on the keyboard or a USB hub.

Q. The USB device doesn't appear in System Profiler as your instructions say it should, what do I do?

A. Plug it into a different USB port directly on Mac, reboot your Mac & look again. Try Videoglide anyway.

Q. Your kit worked fine initially but now it's stopped working properly, what went wrong?

A. Sometimes Apple release updates that break VideoGlide. The solution is to go to echofx.com and download the latest version of VideoGlide (currently at 1.4.8). If that doesn't solve the problem email tim@trcomputers.com for further help. If the adapter worked correctly initially but you now get a dark green screen, adapter might be faulty. Light green screen means it can't see a signal. Pink screen means no USB device plugged in, or faulty – try another USB port.

Q. Why is my video capture file so large? What are the different Video Capture Formats?

A. If you set the video compression format to YUV422 you are capturing each frame without compression and this can result in one hour of video taking up 60GB of hard drive space, which will give you the best possible result during editing – iDVD converts it to MPEG-2 just before burning to DVD anyway. You can also convert a file after the event to an MPEG-4 or H.264 format using the Handbrake software (on the CD), or you can simply choose to set the Video Compression scheme in VideoGlide to MPEG-4 Video or Photo-JPEG. iMovie can import any of these formats.

Q. What's the native video format of my iPod, iPhone or iPad?

A. In Videoglide go to – Record → Video Settings → Compression → Compression Type = H.264 see <http://www.video-2-mac.co.uk/ipad.pdf> to find out how to get videos into iTunes.

Q. The sound seems very distorted on my recording, why?

A. Make sure that the Audio Sample rate is set to 48.000 kHz in VideoGlide → Record → Sound Settings → Sample. Also, you need to make sure that our cables aren't very close to your WiFi Router or Dect Cordless Phone Base Station – both transmit constantly and can cause interference. **With Lion OSX 10.7 leave audio at defaults if sound is okay.**

Q. What do I do with the video file once I've finished capturing in VideoGlide?

A. Edit it using iMovie (by importing it into a project) & burn it to DVD using iDVD. If you just want to keep the file on your Mac or iPod just capture in H.264 or MPEG-4 Video mode for the best quality/space compromise.

Q. Can I record some NTSC VHS tapes that I got from the States?

A. You need a UK VHS player that has the 'NTSC Playback' feature.

Q. Do I need to de-interlace my captured video?

A. Can you see annoying black lines around the edges of objects in fast moving scenes? iMovie will let you de-interlace a YUV422 file. You can De-interlace & convert YUV422, MPEG-4 & H.264 using MPEG Streamclip for Mac.
<http://www.squared5.com/svideo/mpeg-streamclip-mac.html>

Download Streamclip version 1.9.3b7 or newer for Mac.

Run MPEGstreamclip → File → Open Files → open your videofile

File → Export to Quicktime → tick the Deinterlace Video box → click Make Movie → supply new filename.

If you're not sure what a video that needs de-interlacing looks like, go to <http://www.100fps.com> for examples.

Q. I'm trying to get my captured video file into iMovie, but it won't work, what am I doing wrong?

A. It seems as if you should just be able to drag the file into the upper pane, but that isn't correct. Do this:

Launch iMovie → File → New Project → name the project → Format 4:3 for VHS → File → Import → Movies → choose your saved video file → wait while it imports.

Q. I think the USB device has become faulty. What tests can I do before posting it back?

A. Attach your VCR to a TV using the Scart adapter & phono leads we've sent you, can you see the video playing on there? If not, it could be the VCR isn't working correctly. If the VCR works okay, next try inserting the USB adapter into a different port & restarting your Mac.

Q. I accidentally set the audio sample rate as 48.000kHz on my OSX 10.7 (or newer) system and Videoglide has locked up. What do I do?

A. hold down the alt-cmd-esc keys at the same time and choose to force-quit Videoglide, then shutdown & restart the Mac. Leave the audio sample rate at 44.100 and everything will work fine.

Q. I have some VHS-C camcorder tapes, but my camcorder has died. How can I get them onto my Mac?

A. We sell a VHS-C to VHS adapter for £20. <http://www.video-2-pc.co.uk/vhsc.html>

Q. How do I get captured video into iTunes, so I can watch on my iPad?

A. Capture video in VideoGlide with file format set to H.264 @ 25fps → save file to Desktop as Test.avi → start iTunes → set iTunes to manually manage music/video → File → Add to Library → choose Test.avi from Desktop → Library → Movies → click on video to convert & then select Advanced → create version for iPad (or iPod) → drag new version to iPad & it will appear under movies folder in iTunes. Go to Videos button on iPad, select video, click Play button.

Q. What if I don't have iDVD or iMovie? How can I create a proper Video-DVD.

A. If you don't have iMovie & iDVD on your Mac you can use <http://burn-osx.sourceforge.net/Pages/English/home.html>