

Windows 7 32 and 64bit SZ750 Clean install

(99.9% in 64bit, 100% in 32bit, this should help those with other SZ's)

Version 2. updated 29Oct2009

This guide will help all SZ owners, however be aware some things will not work in 64bit mode without Sony's or another company's help. Much of this is just trial and effort, I am going to try and compile a list of other SZ's as to what does and does not work. If you have a different model I suggest reading all of these steps as they do contain some warnings and tips that will help you. The main guide was written for my SZ750, but the basis should help others.

In 32 bit mode, you can install all of the default Vista stuff and have it working fully. The speed difference between 32 and 64bit is not noticeable. I recommend 32bit if you need an in easy install or everything 100%. 64 is good if you just need a basic notebook but the extra grunt of having 4 or more gigs of memory (Yes, some of these can take up to 8gigs). In 64bit modes, the biggest holdout now seems to be the webcam. The WWAN seems possible, at least on some modes, I am still experimenting, when I have more I will include it.

At the end you will also find a list of sites to dig for drivers.

Keep in mind, some of this is just a matter of trial and error. If you insist on 64bit expect lots of re-installs, research, and frustration. As I can, I will add more model specific information. I am still working out details on my own setup but there is a lot in this thread. I recommend starting with your own model, then the newest version of things and work backwards on models close to your own.

My thanks to Vash The Stampede, Colt, Rachel and Aralos1999 for their contributions in either this guide or their own. Hopefully soon we will hit 100%.

First off, some basic info.

Some have asked for a list of what was needed to install and get everything working. Sony, likes to rename things, and change what is installed with what, so I am including this stuff as a reference for others.

Notebook Utilities (This installs includes Event Services, Setting Utility Series, Battery Checker (On this model this includes battery care), Camera Capture Utility, Power Management, VAIO Launcher)

TI flash driver for the memory stick slot, this removes the last exclamation point in Device Manager

Sony® Shared Library

HDD Protection Driver (Optional)

HDD Protection Software (Optional)

POINTING_DRIVER_ALPS (Optional)

[b]Nvidia Registry Patch (enables brightness controls for Nvidia, people tend to skip this thinking it's not important)

Nvidia driver

I had to also use

SZ6 Utilities (only needed the battery care function from it, the SZ750 one does not work)

You will need more if you intend to get the camera or WWAN working.

At the end I will place a compiled list of possible drivers for both of these.

Camera

In 32bit, just use the default SZ utilities and drivers.

In 64bit, there are several drivers floating around, none work properly.

The firmware is wiped from the camera when you do a cold boot, some can re-initialize it, some cannot. The ones that cannot, will not allow for the Sony webcam program to work, and often do not work well. The ones that allow the webcam software to work, do not initialize. Basically in 64bit mode, there is no good driver out there. There are some tips in this thread, but I will be adding a summary shortly.

WWAN

In 32bit, just use the default SZ utilities and drivers.

In 64bit, be aware that installing the SmartWi may cause the wifi to stop working and not re-enable, and possibly not even start the WWAN. This is still being figured out, though some in this thread on other models have it working. I will be adding more as I get more information.

Things you will need to download for the SZ750 (not working in this download):

See this page <http://forum.notebookreview.com/showthread.php?t=428140> for updates

Either my driver packs containing everything here, or one by one. I recommend my pack since it already has everything needed, already extracted, and neatly organized.

Driver Pack 1 (All drivers and Sony Apps)

<http://www.mediafire.com/?gbknd0mxi4x>

Driver pack 2 (Pre-modded Nvidia 190.40 Win7 X64 Driver)

<http://www.mediafire.com/?est9bumzjrw>

or

Individual Files

HP 64bit Texas Instruments PCIxx12 Integrated FlashMedia Controller

http://h20000.www2.hp.com/bizsupport...reg_R1002_USEN

Lenovo 32bit Texas Instruments PCIxx12 Integrated FlashMedia Controller

<http://www-307.ibm.com/pc/support/si...cid=MIGR-66896>

Original - Sony® Shared Library

http://esupport.sony.com/US/perl/swu...=3327&os_id=29

Original - VAIO® Control Center

http://esupport.sony.com/US/perl/swu...=3367&os_id=29

Original - Sony® Notebook Utilities

http://esupport.sony.com/US/perl/swu...=3421&os_id=29

SZ Utilities (we only need the battery care function from it for 64bit SZ750, 32bit use default)

<ftp://ftp.vaio-link.com/PUB/VAIO/ORI... UTILITIES.ZIP>

Original - NVIDIA® Graphics Driver Registry Patch

http://esupport.sony.com/US/perl/swu...=3406&os_id=29

Original - Sony® HDD Protection Driver (Optional)

http://esupport.sony.com/US/perl/swu...=3366&os_id=29

Original - Sony® HDD Protection Software (Optional)

http://esupport.sony.com/US/perl/swu...=3365&os_id=29

Alps Touchpad Software(Optional)

<http://drivers.softpedia.com/get/Oth...17019-64.shtml>

Camera Drivers

32bit Original Sony Camera Driver

http://esupport.sony.com/US/perl/swu...=3389&os_id=29

64bit Fujitsu Ricoh Camera Driver

http://www.fujitsu-pc-asia.com/drive..._V61003301.zip

64bit Sony/Ricoh VCC7 Camera Driver (Credit to Rachel for this one)

http://www.fujitsu-pc-asia.com/drive..._V61003301.zip

Original - NVIDIA® Graphics Driver Registry Patch

http://esupport.sony.com/US/perl/swu...=3406&os_id=29

Webcam app (optional) (replaces Sony Webcam Utility)

Manycam <http://www.manycam.com/>

Nvidia Driver

64bit SZ750[http://www.laptopvideo2go.com/driver...\[\]=win7x64](http://www.laptopvideo2go.com/driver...[]=win7x64)

32bit SZ750[http://www.laptopvideo2go.com/driver...\[\]=win7x32](http://www.laptopvideo2go.com/driver...[]=win7x32)

Scroll down, there is a 190.40 and 186.24 driver downloads.

For others, 32 and 64bit.

<http://www.laptopvideo2go.com/drivers>

It's included in the pack and this is the link to the latest but here is how to find yours if you have an SZ other than an SZ750N. For video drivers, if you have switchable graphics, boot into Nvidia mode, you need to go into device manager, go into display adapters, then left click on the video card and click properties. Go to the details tab and in the drop down, choose hardware ID's. Write down the part that says VEN____&DEV____&SUBsys_____. For the SZ750, the numbers are: VEN_10DE&DEV_0427&SUBSYS9008104D Now go to <http://www.laptopvideo2go.com/drivers> and plug in your information. Select the driver you want, and download the driver and the modified INF file. Run the exe and extract it to your desktop, Open the directory and find the INF file with the same name as the one you downloaded, and copy it into this directory, replacing this one. Now you can either run the setup.exe, this will install your Nvidia driver and software (not recommended). Or you can do what I recommend and go into Device manager and manually loading the inf through the update driver, like we will do for the PIO and PXE drivers in step 2. This way you avoid any extra things you don't need.

Preliminaries

First off, of course, do your install of Windows 7 if you haven't already, I recommend starting in stamina mode. Also, make sure that you are online. Wireless and wired networking works out of the box.

Now go into control panel, at the top right, on the "View by:", change it to "small icons". When that is done go into control panel and then folder options. Click on the view tab, change "Hidden Files and folders" to show hidden files, then uncheck the "hide extensions for known file names" (very bad to leave checked). Then close this window.

Now go to "System", and then from the left menu, select "Advanced System Settings". In the new window change to the "Hardware tab" then select the device install settings. Select "Yes, do this automatically" then select save changes. You can close all of these out now.

So now we have our drivers.

Note, the step numbers in the driver pack and the step numbers in the guide do not match. The reason is that the guide was meant as a walk through, the driver pack is meant for people who have done the walk through once already and just cruise through it in a hurry. I can do the driver pack in a matter of a few minutes.

Step 1

Go into control panel, then device manager.

Right click on Fingerprint Sensor, it may show as an Exclamation point. If not it's fine like it is. Hit Update Driver Software, and select Search Automatically for updated drivers. If you are online, it might install on it's own. There are two missing Sony drivers that should auto update as well, if not, tell it to.

You should be left with a Mass Storage Device Controller left with an exclamation point. Right click on it, select "update driver software", then select "Browse my computer" Then point to the appropriate Texas Instruments driver.

Once that is finished, go to "Display Adapters" and update the video card.
After this finishes, you need to restart

In battery saver modes, the screen will flicker as the Intel Power management crashes the driver.
Go into Control Panel and open the Intel® GMA Driver for Mobile applet

Go to Display Setting on the left side/

On the lower right corner, click "Power Settings"

At the bottom select "Modify Settings"

Near the bottom, uncheck EVERYTHING.

Press Ok

Press Ok

Press Ok

Step 2

Install the Sony Shared Library

Step 3

Install Control Center.

Step 4

Install Notebook Utilities, remember to change compatibility mode.

Restart

If you have an S&750, also install the SZ6 version of Battery Care.

Restart

The bad news is that this will leave you with two battery care functions in the Control panel, Sony Control Center, one will work, one will not, but it does give you a working copy of it. It also gives you a link in the start menu to the working one.

Warning, there are issues with the stock ISB utility in some notebooks and versions of battery Checker/Battery Care and will constantly try and put you into hibernate mode. Use task manager (CTRL-alt-dell) to kill the ISBMgr.exe *32 then use Msconfig to remove it from startup if you have this problem. If you want an Battery Checker or Battery care, you will have to explore the links at the bottom of this post for possible versions to try.

Step 5

Install the Sony Nvidia Driver Registry Patch

This fixes the brightness controls when in speed mode..

Step 6 (Optional)

Run the installer for the hd protection driver

Step 6B (Optional)

Run the installer for the hd protection software

Step 7 (Optional)

Install the Sony Alps Driver.

Step 8

Select Speed mode and restart and then wait for Windows to load the generic driver.

Step 9

Install the Nvidia driver. You can either install it through the Nvidia installer or you can do what I recommend and go into Device manager and manually loading the inf through the update driver, like we did for the Texas Instruments Driver in step 1. By manually telling it which driver to use (update driver, browse my computer, let me pick, have disk...). By installing it this way you avoid any extra things you don't need. If you used my driver pack, you can ignore nv_disp - copy.inf, that was the original INF file provided by Nvidia that I replaced to match the SZ750N. Use the one without copy.

Step 10

Camera

In 32bit, just use the default SZ utilities and drivers.

In 64bit, I listed and provided the two best. The Sony version works well once initialized, until you do a cold boot (shutdown instead of restart). The Fujitsu can work from a cold boot, but will not work with the Sony Camera control. Worse, to initialize, it requires a restart after loading.

You may want to keep both drivers handy, as you may need to swap between them to get things working, or you can try using VMware and or dual booting to initialize the camera. Aralos1999 has a basic breakdown of how he does it on post #41 of this thread. It's at the top of Page 5.

Here: <http://forum.notebookreview.com/show...=428140&page=5>

Step 11

The microphone

This is a Windows issue, not a driver issue. It defaults to the mic input on the side.

Go into Control Panel then sound. Click to highlight the unavailable device, then at the bottom set the drop down to "default device". Now right click on the device and select properties. Go to the listen tab and **UNCHECK** listen to this device. This if you want to hear what is going into the mic, not that you want to be able to record from it. When checked it feeds to the speakers causing feedback.

Don't forget the webcam app if you wanted/need it.

Helpful Links.

<http://www.laptopvideo2go.com/drivers>

<http://esupport.sony.com/US/perl/swu...?mdl=VGNSZ750N>

<ftp://ftp.vaio-link.com/PUB/VAIO/ORIGINAL/>

<http://www.vaio-link.com/os/vista/64bit/> (direct link

<http://vcl.vaio.sony.co.jp/download/...al/64/001.html>)

<http://forum.notebookreview.com/showthread.php?t=169759> (check the 64bit guides as well as Win7)

<http://forum.notebookreview.com/showthread.php?t=428140>

Change log

1 original guide

1.25 Added some Intel Power information.

1.5 Updated to add the microphone fix on step 13.

2.0 Removed the PIO and FEP drivers, added 32bit info. Also, added more about the camera and WWAN. Also changed a bit about Intel Power ratings. No longer need compatibility mode.

Numbers now match steps in driver packs.