

Thank you for purchasing an OCZ Solid State Drive. Our firmware updates are designed to enhance the performance of your drive . If you would like to update the firmware on your drive to the latest officially released version, this guide explains the proper procedure for Windows. You can check the firmware version number in the device manager or BIOS.

SUPPORTED SSDs:

- SATA II 3 Gb/s: Vertex 2, Vertex 2 Pro, Vertex 2 EX, Vertex LE, and Agility 2
- SATA III 6Gb/s: Vertex 3, Vertex 3 Max IOPS, Agility 3, and Solid 3
- PCIe: RevoDrive 3 and RevoDrive 3 X2

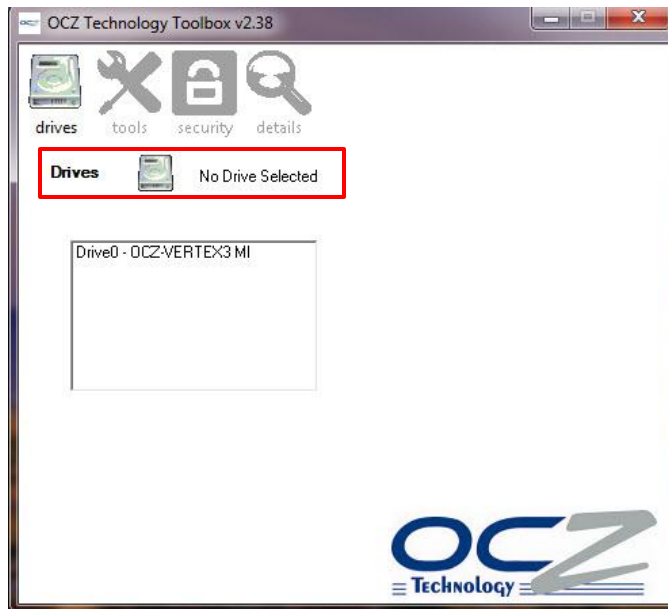
WARNING:

- 1) OCZ Toolbox is not supported on drives (Vertex 3, Vertex 3 Max IOPS, Agility 3, Solid 3, RevoDrive 3, and RevoDrive 3 X2) running as the boot drive. The SSD must be installed as a secondary drive for the Toolbox to properly function. An alternative way of using a standalone Linux distribution booting off the CD can update primary boot SSD. See "Updating your firmware with a drive that can not updated as a primary drive" section for more details.
- 2) The SATA controller must be set to AHCI mode in the bios to use OCZ Toolbox.
- 3) Any OCZ SSD drives installed in the system will not be recognized by the Toolbox if you are using an Intel chipset based motherboard running the Intel RST 10.1.X.XXXX AHCI drivers. We recommend using Microsoft ACHI drivers for Toolbox to be properly recognized.
- 4) Updating your firmware with the OCZ Toolbox is not supported under Windows XP.
- 5) Always download the latest OCZ Toolbox Version from: http://www.ocztechnology.com/ssd_tools/
- 6) Flashing your SSD should not result in data loss. However, OCZ recommends that you back up your data as a precaution before proceeding.
- 7) An internet connection is required for firmware update.

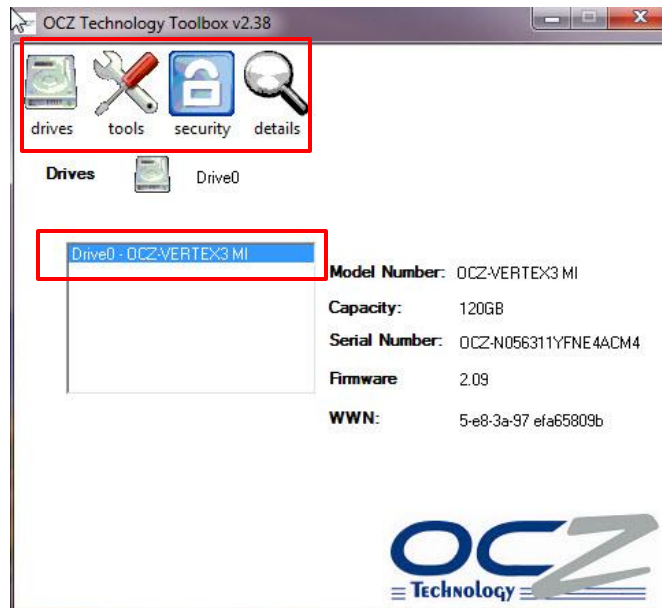


Begin Here:

Inside the zip file, there will be a single EXE file; no installation necessary. The file can be unzipped to the desktop. If running Windows 7 or Vista, you must run the program as an Administrator. Unless UAC (User Account Control) is disabled in Windows 7/Vista, simply being logged in on an Administrative account is not enough. You **MUST** right click the file and click "Run as Administrator". Alternatively, you can right click and choose properties, then tell the program to always run as an Administrator under compatibility. You should see this:



Select your drive:



Once a drive is selected, the Tools, Security, and Details buttons will become available.

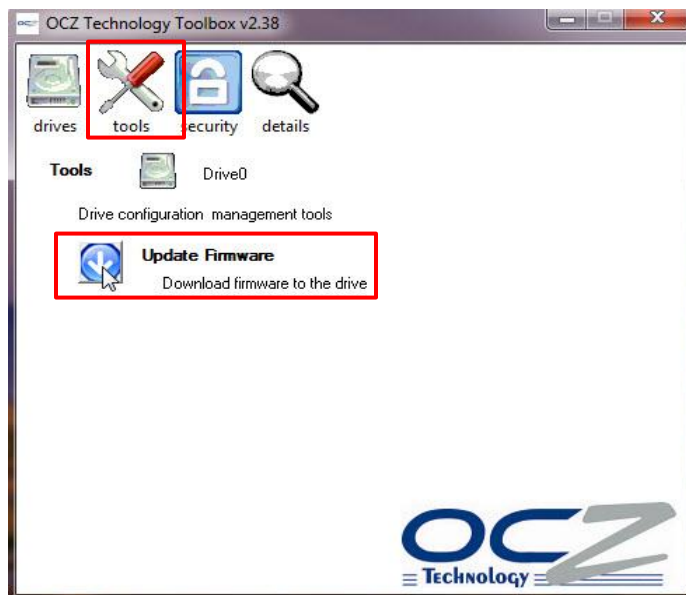


Updating your firmware:

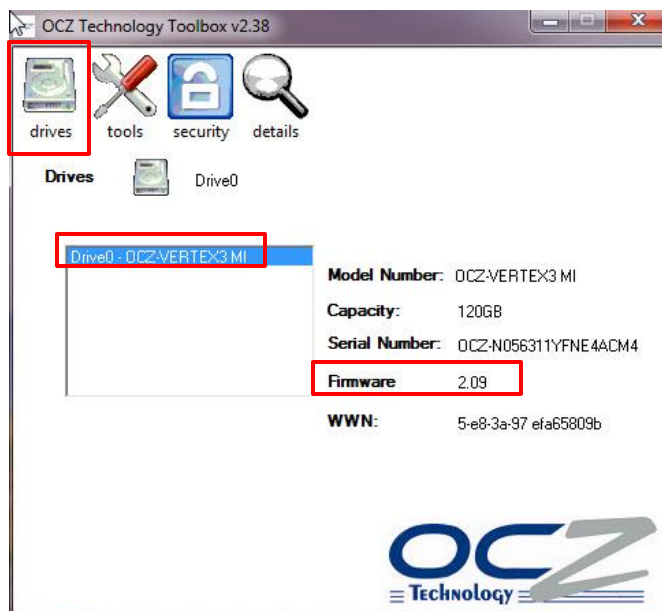
To update your firmware you need to enter the tools menu. Click on "Update Firmware" and the process will begin automatically (there will not be any kind of dialog pop up).

On Windows 7 or Vista, there will most likely be a warning about internet access (Toolbox is attempting to make an outside connection, etc.).

Please allow this connection so the update process runs smoothly. In the lower left hand corner of the Toolbox window you should see the progress of the update (xxx sectors downloaded) and then receive the FW download complete message:

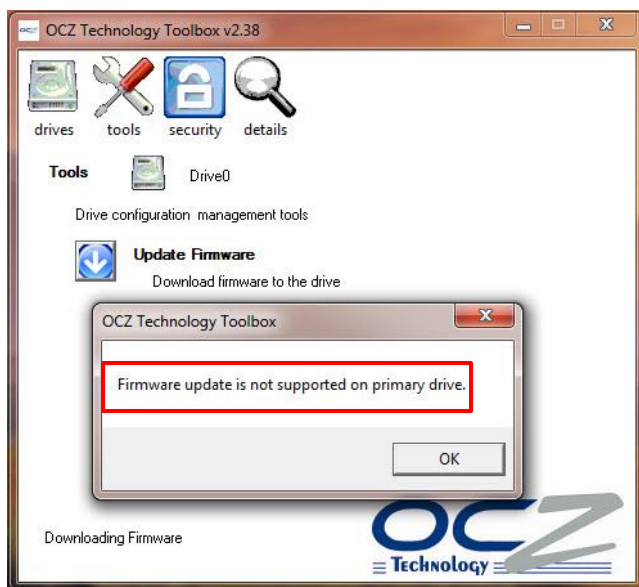


Once the firmware update is complete, click the "drives" button and select your drive again to verify you have the new/latest FW revision (there may be a pause as the drive finishes its "reset" command that was issued after the FW flash):



Updating your firmware with a drive that can not be updated as a primary drive:

OCZ Toolbox does not support firmware updates of SATA III SSDs that are running as the primary drive (Vertex 3, Vertex 3 Max IOPS, Agility 3, Solid 3, RevoDrive 3, and RevoDrive 3 X2).



An alternative method is to utilize the standalone Linux distribution designed specifically for firmware updates of OCZ products. Please download the standalone Linux distribution from the following link:

<http://www.ocztechnologyforum.com/forum/showthread.php?89670-Tools-for-OCZ-SandForce-Driven-SSD-s>



The link to the standalone Linux distributions is located in the middle of the thread. Find the highlighted link similar to the one pictured below:

Download the Tools for OCZ SandForce Driven SSD's

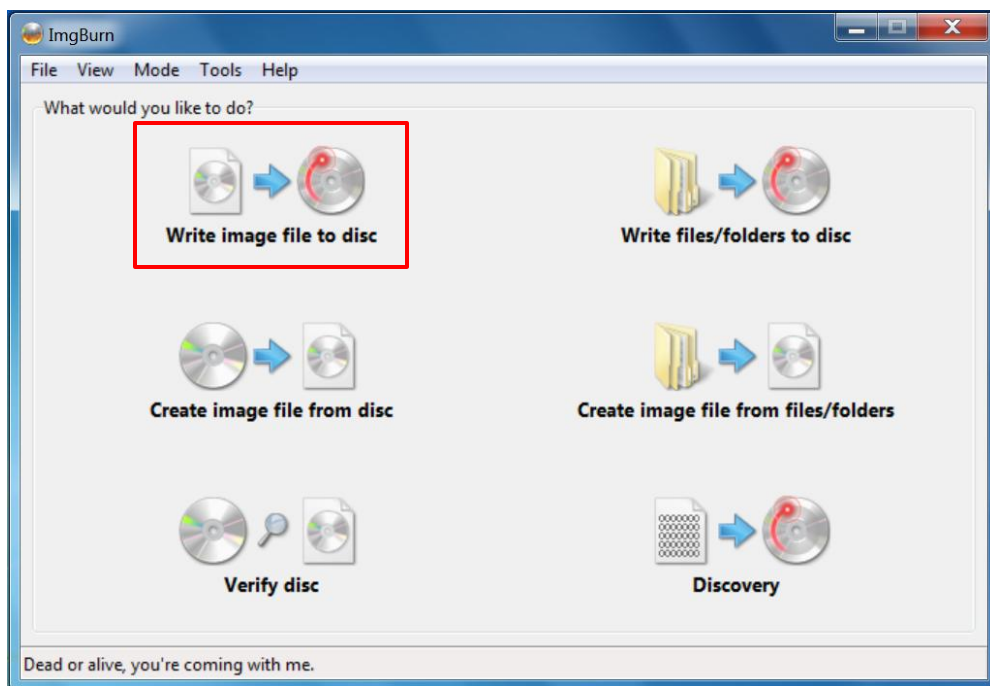
Click on the link and you should be directed to a Rapidshare site that resemble the screenshot below. Click on the download button.

The screenshot shows the RapidShare website interface. At the top, there's a navigation bar with the RapidShare logo, a search bar, and links for 'My RapidShare', 'Rapid / RapidPro', 'Shop', and 'Help'. Below this, a dark blue banner displays the file 'Download: ocz_fwupd_1.642.12.04.zip (137.61 MB)' with a red box highlighting it. To the right of the banner is an 'Upload' button. The main content area is divided into several sections. On the left, there's a 'What is RapidPro?' section with a list of features: 'Unlimited storage', 'Unlimited traffic', 'Direct download', and 'SSL-Download'. In the center, there's a 'Buy RapidPro!' section with a red 'X' over it, showing a price of '€ 4.11'. To the right of this is a 'Save File to... your Computer' section with a green 'Download' button, which is highlighted with a red box and a blue callout bubble saying 'Click to Download'. Further right is a 'Save File to... your RapidShare Account' section with a red 'X' over it and a 'Save' button. At the bottom, there's a footer with links for 'RapidShare AG', 'RapidTools', and 'Community'.

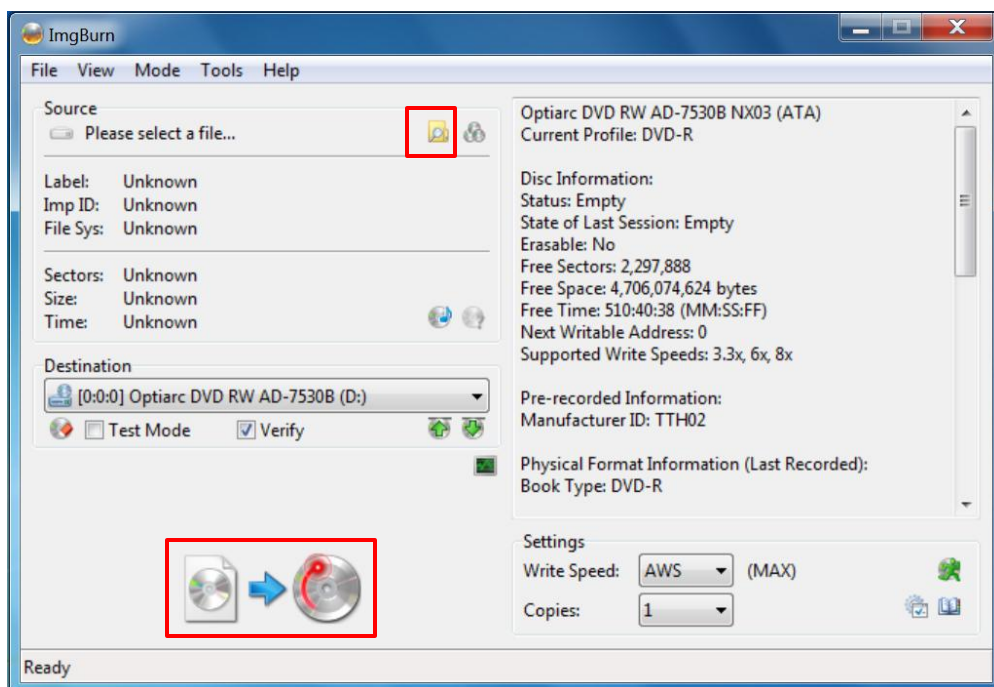


Unzip the folder and burn the .iso file to a CD or a USB. For a user friendly image burning software, OCZ recommends IMGBurn: <http://www.imgburn.com/>. For a USB stick, OCZ recommends Universal USB installer: <http://www.pendrivelinux.com/univers...easy-as-1-2-3/> because it will preserve the menus in the ISO.

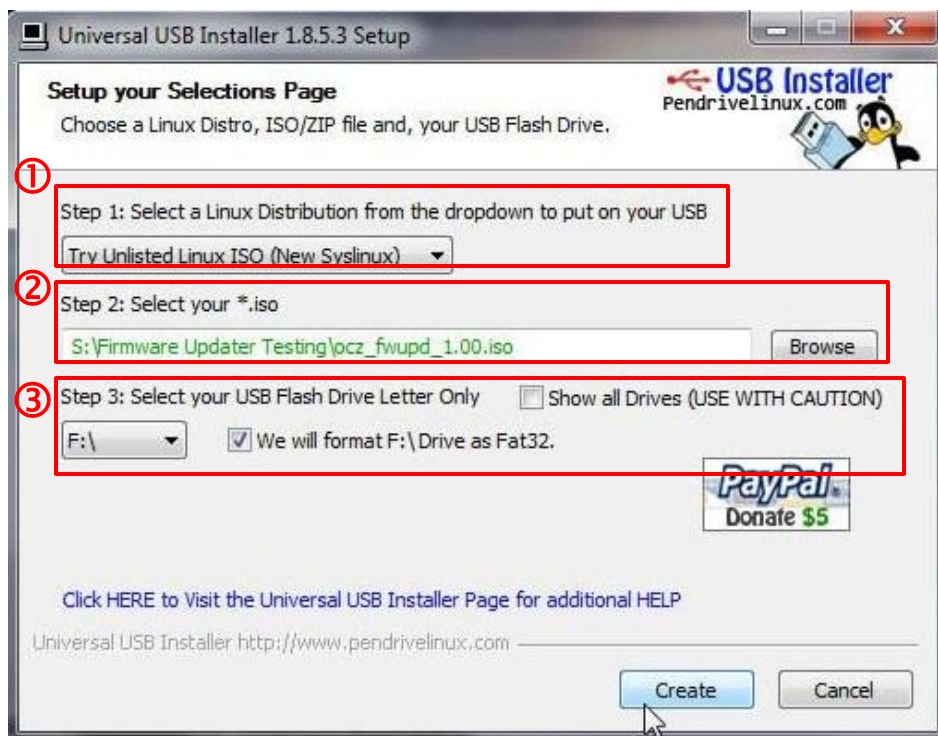
For ImgBurn, select “Write image file to disc”.



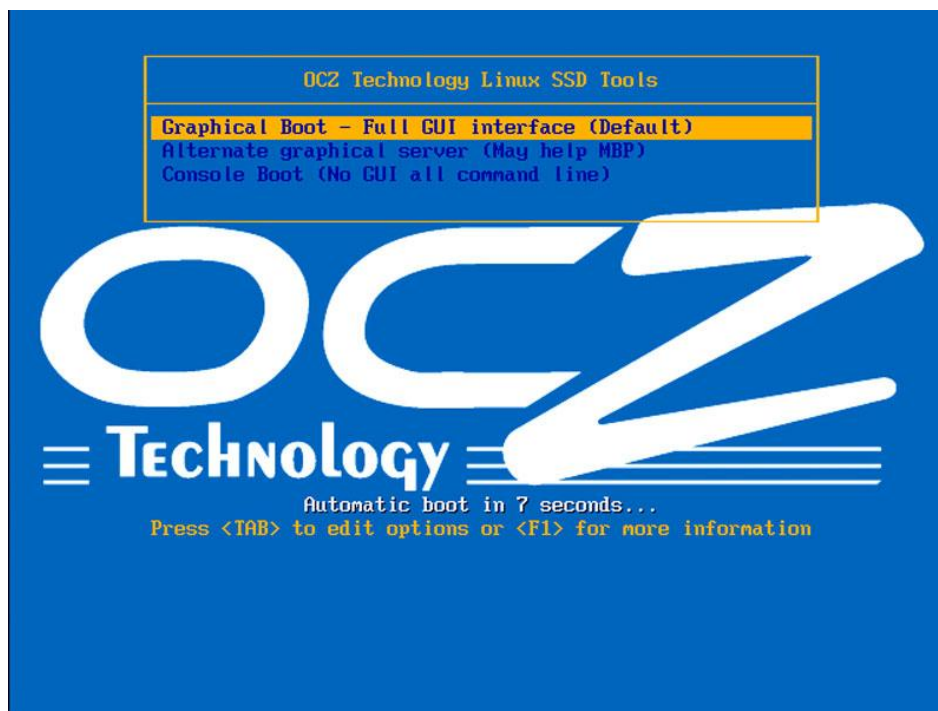
Then load the standalone Linux .iso file and burn the image on to a cd.



For Universal USB Installer, select the following settings:



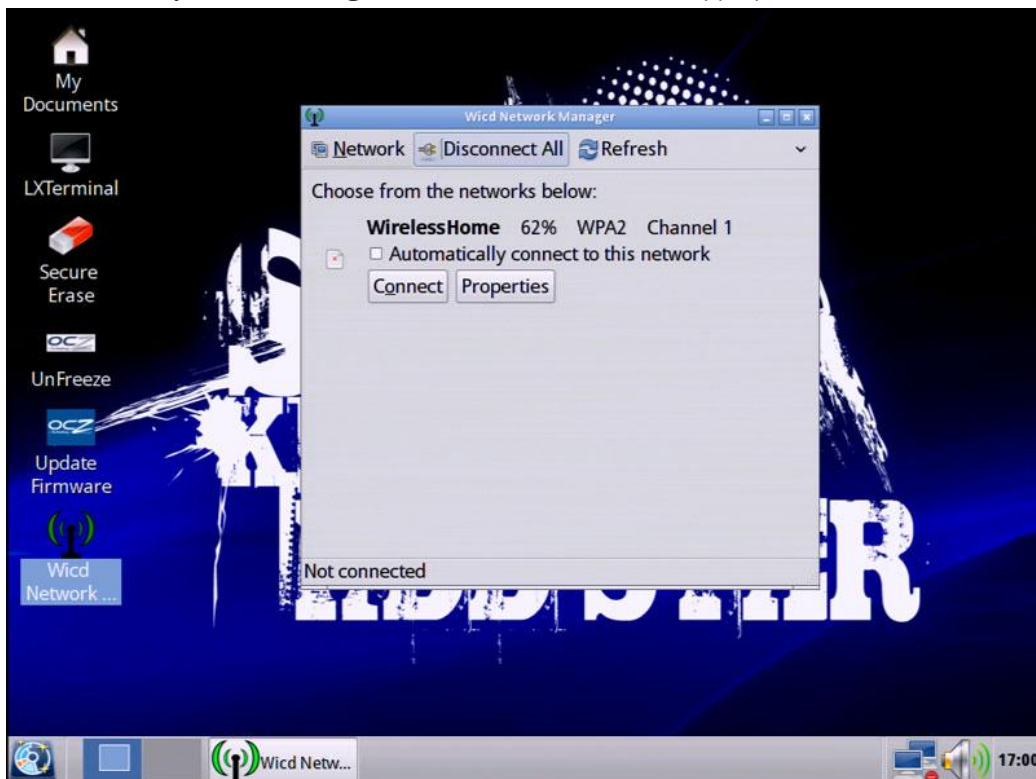
Boot from the prepared the CD or USB. Select “Full GUI Interface”.



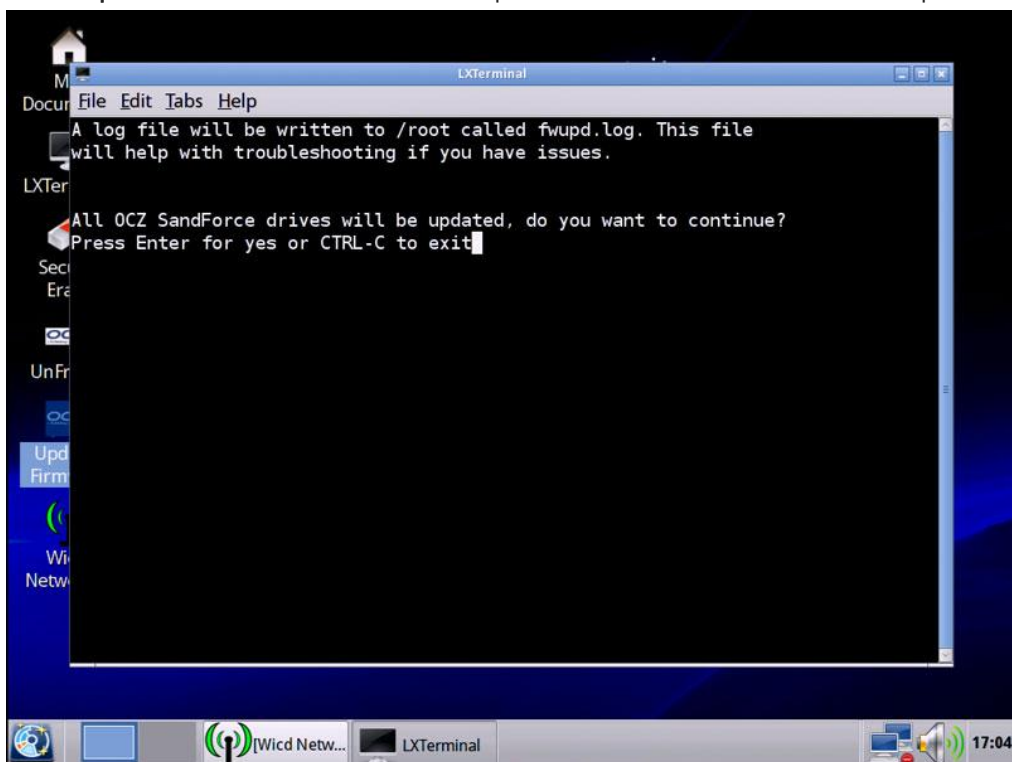
Example of the GUI desktop environment:



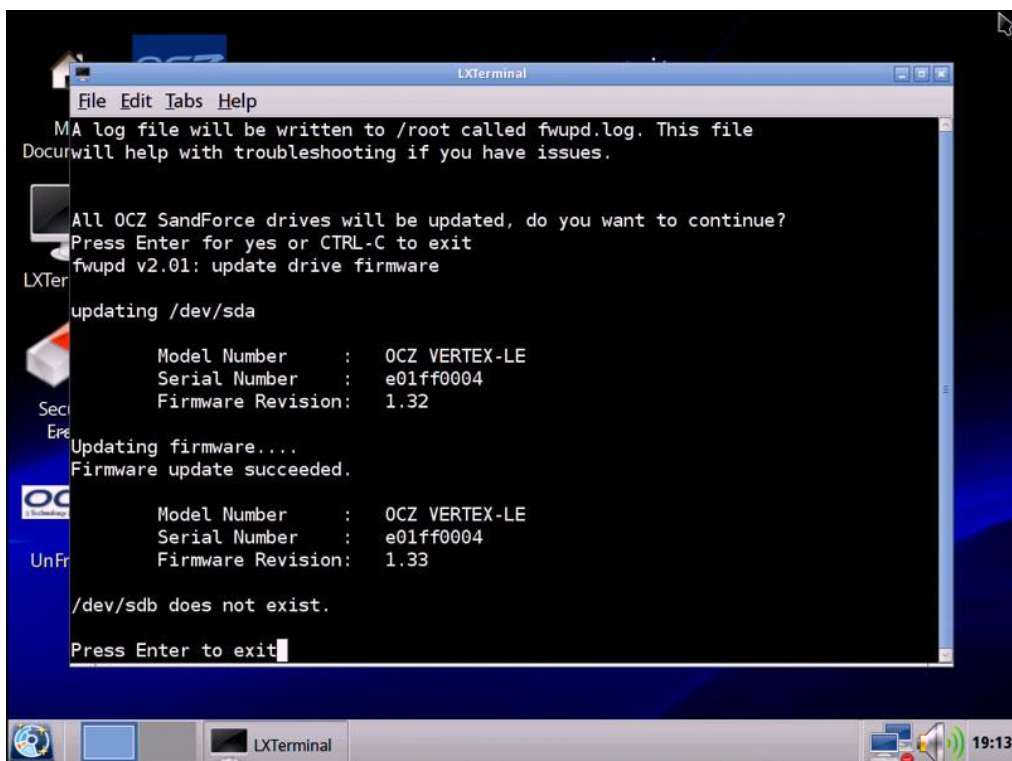
Computers wired to an internet router should automatically be connected to the internet. Otherwise, connect to a wireless network by double clicking "**Wicd Network**". Choose the appropriate network.



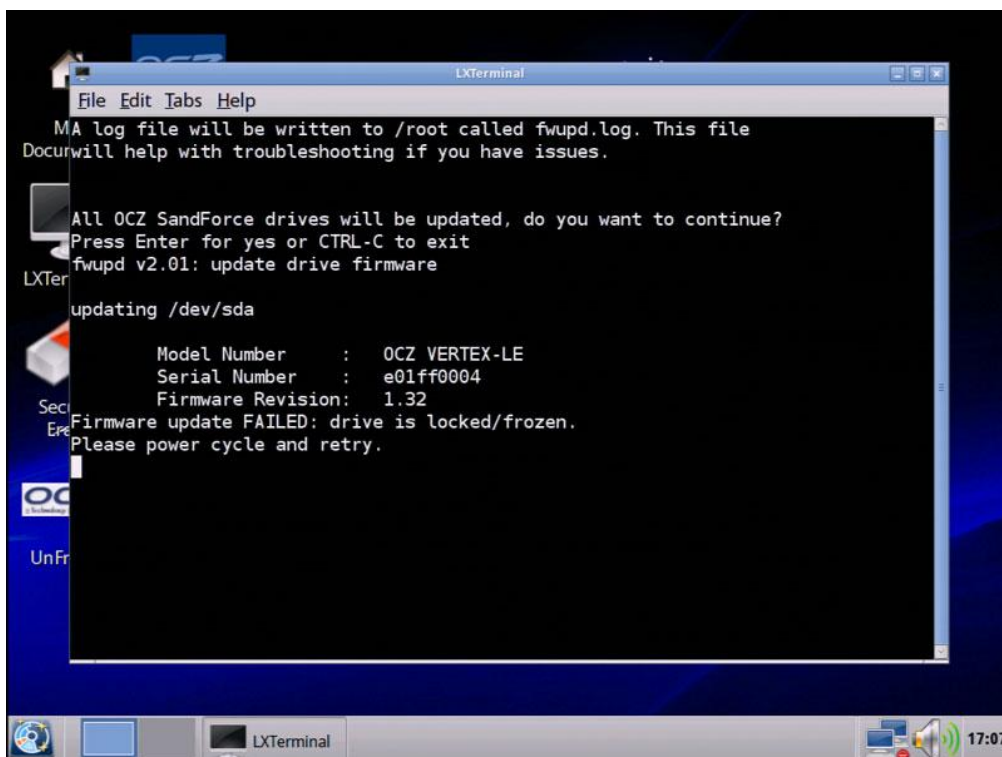
Double click “Update Firmware” Icon on the desktop. Press Enter to start the firmware update.



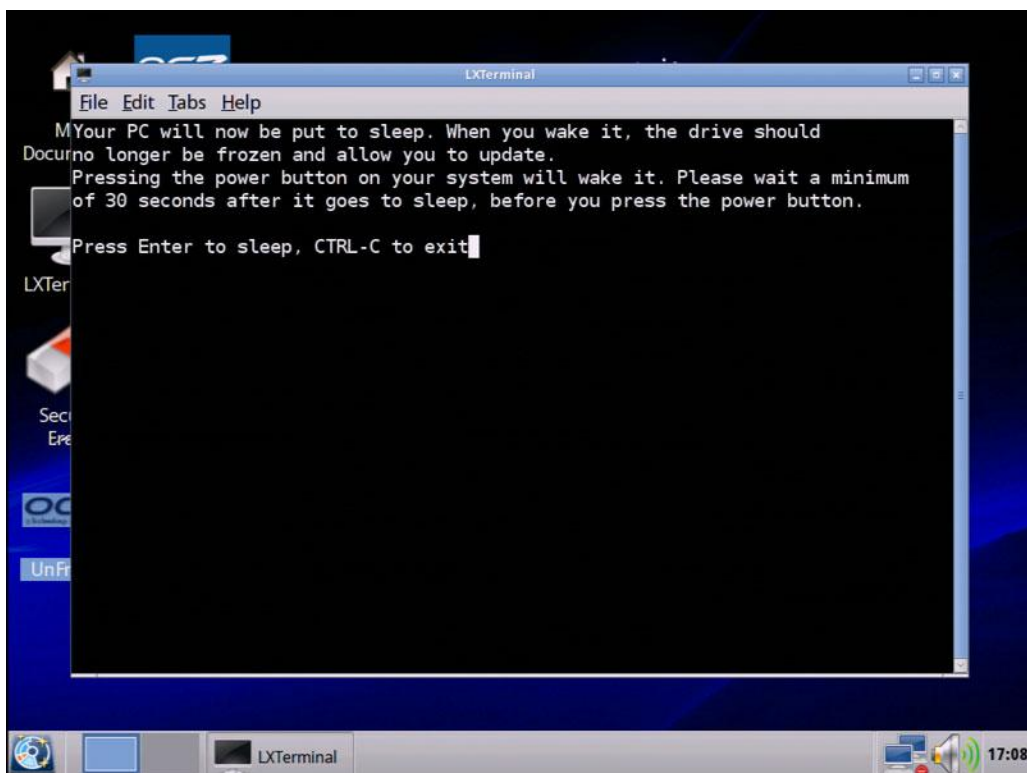
If the firmware update is successful, then the tool will report “Firmware update succeeded”. Users can now restart the computer. Pull out the CD or USB, and re-enter Windows.



If the drive freezes, exit the updater icon, and double click the “**Unfreeze**” icon on the desktop.

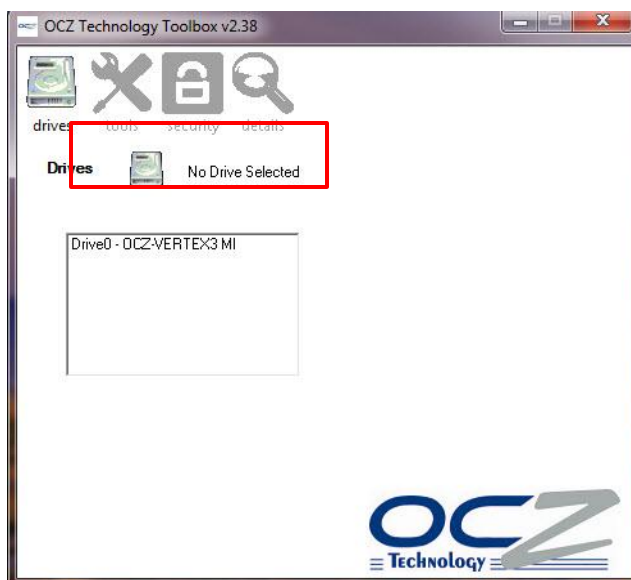


Press Enter to put computer to sleep. Wait for 30 seconds after the computer goes to sleep then wake it up. Update the firmware again using “**Firmware Update**”.

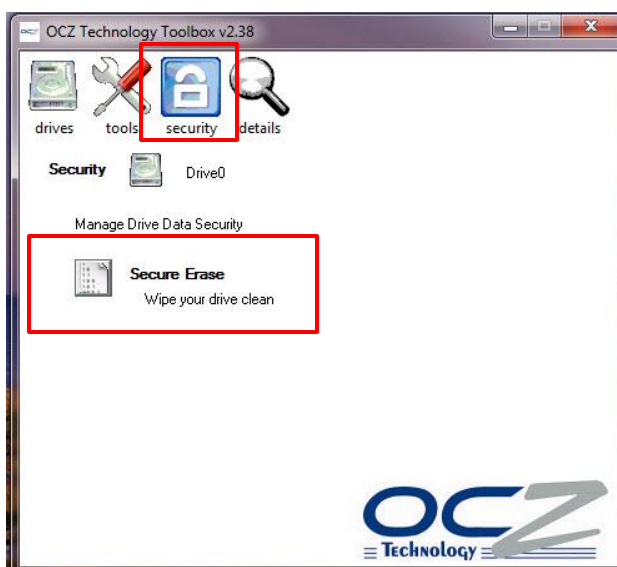


Secure erasing your drive:

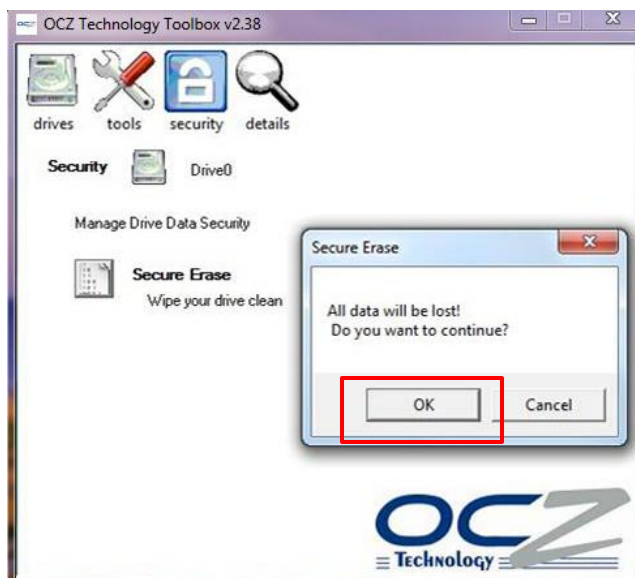
The OCZ Toolbox also features the ability to secure erase your drive. Keep in mind, all data will be erased and the drive/NAND will be reset to a FOB (Fresh Out of Box) state. This function is still dependent on the system you are using it on. Some chipsets/BIOS will have the drive in a frozen state. Normally a reboot will clear this state, but this is not always the case. To secure erase your drive, start at the first screen and select your drive:



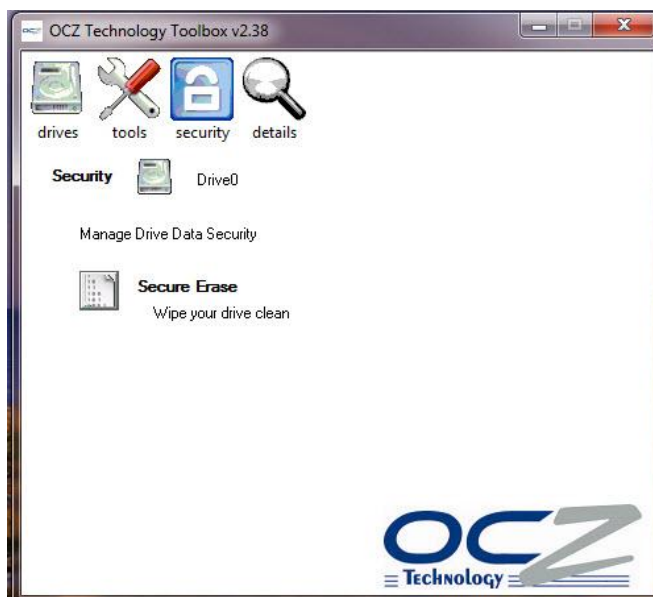
Then select the “security” button to reveal the security menu:



Finally, click “Secure Erase”. A popup warning will appear as seen below. Click OK to secure erase the drive:



You will then see the completion of the Secure Erase:

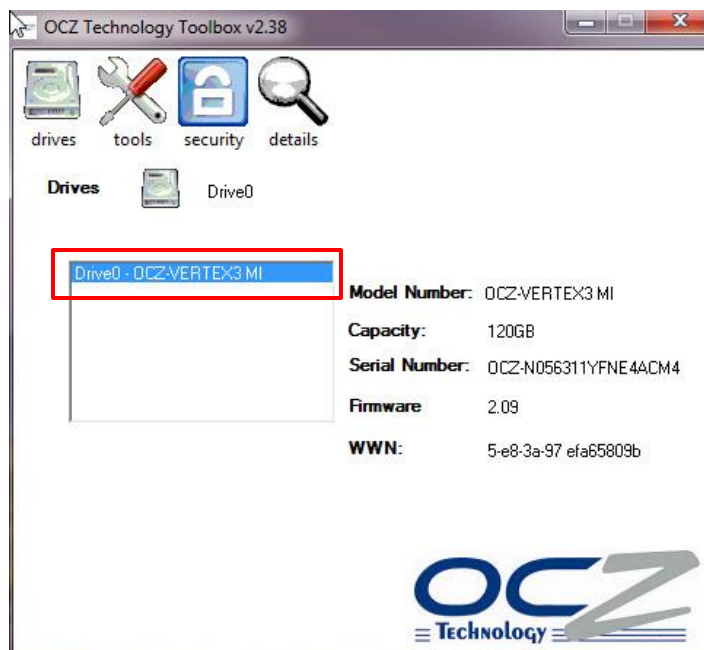


You MUST reboot your system for the erase to complete.



Viewing SMART Attributes:

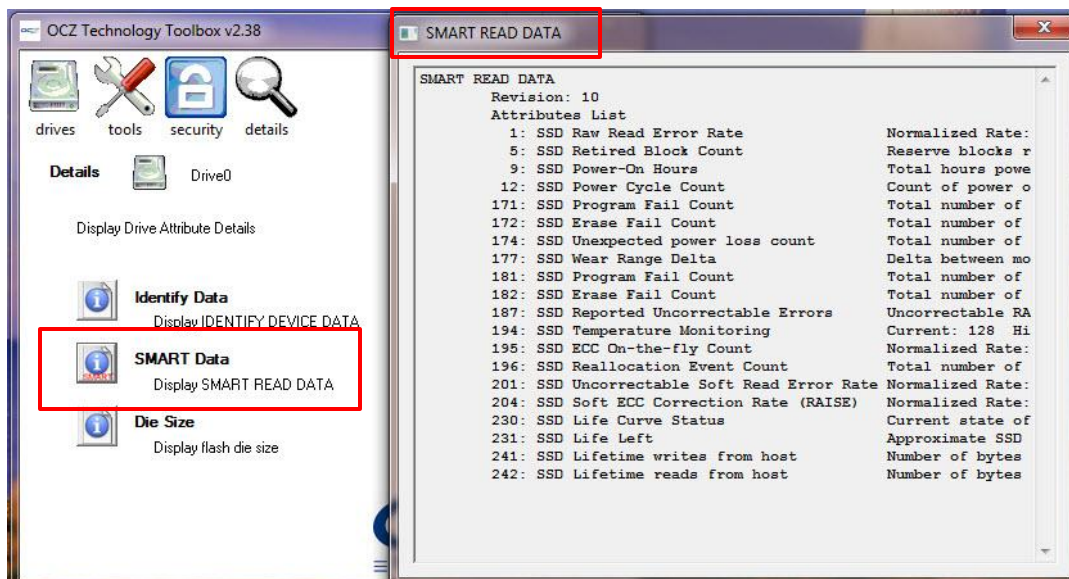
Start by opening the toolbox and selecting your drive:



Then click the “details” button:



Click the “SMART Data” button and the SMART data will be displayed in a window:

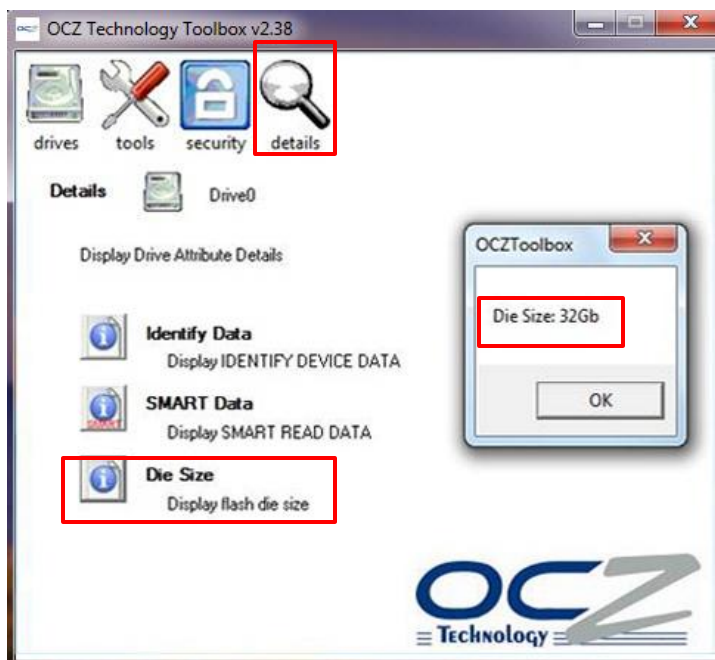


Viewing NAND Flash Die Size:

From the main screen, select the drive:

- Click on the “Details” button
- Click on the “Die Size” button

A dialog box will display the Flash die size:



At OCZ we have one primary goal, and it is to make sure that every customer is 100% satisfied. If you should have any questions during or after the installation process, please contact our industry-leading support department:

Phone: 1 (800) 459-1816

Online: www.ocztechnology.com/NewTicket.html

24 Hour Support: www.ocztechnologyforum.com

