Procedure for installing XP on the D510MO

- The D510MO motherboard <u>WILL NOT</u> operate in AHCI mode under windows XP. You must set the mode in the bios (F2) to IDE.

- XP <u>CAN NOT</u> be installed using an IDE CD or a DVD drive. You will ALWAYS get the BSOD. Install using a USB DVD drive. I don't recommend using a flash disk, however, I've given instructions on how to do that at the end of the first section.

- The D510MO does not like IDE. I recommend not using any on the system at all.

Preparation

Enter the D510MO bios by hitting the F2 key at boot up. Make sure the drive mode is set to IDE and that the drive you will be installing XP on is first in the boot order. Make sure USB is set to legacy. You will need a USB DVD drive to install XP using the XP setup DVD. If you don't have one or can't find it, you will have to install XP using a flash drive (see instructions at the very end of this document). Installing XP from a flash drive is very slow.

Procedure

<u>NOTE:</u>

Remember that reboots are almost always needed after installs/uninstalls of software on XP.

1. Unplug the D510MO system and take the access panel off. There should be no IDE CD or DVD drives installed. Disconnect all drives except the one you are going to install XP on. You may have to switch the drive to the other of the two onboard SATA ports if windows XP setup does not find any drives.

2. Leave the access panel off for now. Plug the power cord back in. If there is a switch on the power supply, make sure it is set to the 'on' position.

3. Plug the USB DVD drive in, power on the D510MO system. At the bios screen, hit F10 for the boot selection menu. Choose the USB DVD drive to boot from and install XP.

4. After installation, copy the I386 folder from the XP setup DVD and copy it to the root of the C:\ drive. You can now remove the USB DVD drive.

<u>IMPORTANT:</u>

<u>DO NOT</u> install any intel drivers post XP for the intel motherboard or the USB. The windows drivers, in this case, work better. The intel drivers seriously adversely affect the performance of the D510MO and will cause all sorts of problems – don't do it.

5. Install just the drivers for the LAN or wireless LAN card and connect to the LAN and internet. Do not open any internet browsers until Avast is installed. Install Avast anti-virus – make sure you have the license key.

6. The version of Internet Explorer shipped with XP does not work on most websites – including their own 'windows update' site. In IE, Navigate to the Firefox download site and download Firefox and install. Then, in Firefox, navigate to the Google Chrome download site. Download and install.

7. XP will continuously be running updates. If some updates fail, shut down completely and reboot. They will continue.
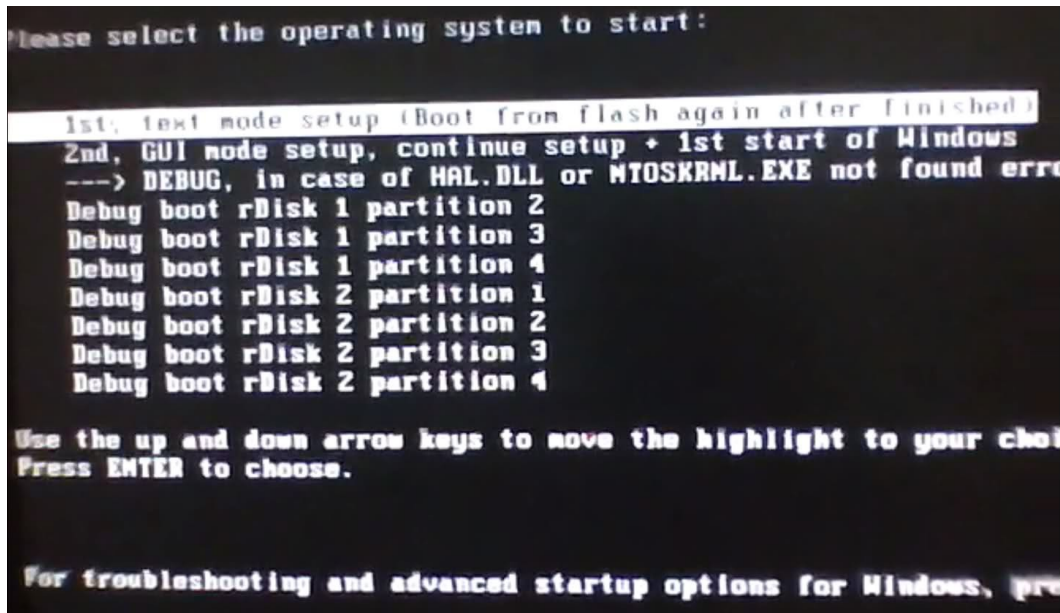
NOTE:

If you purchased your XP setup disk online, you will eventually get warnings from the 'Windows Genuine Advantage' process about XP not being 'genuine'. The license is valid, it just isn't 'genuine'. Officially, Microsoft does not support XP any longer and, typically, the only XP setup disks you can get are re-sold corporate volume versions. Having called Microsoft, they do not care about this and are aware of it. Below are instructions on how to get rid of the warning messages and to prevent XP from checking on its being 'genuine'.

8. If running, 'end process' for the 'wgasetup.exe' process in task manager under processes.

9. Go to the c:\windows\system folder and search for 'wga*.*' (make sure you set your folder options to see hidden files and make sure your search options are also set to see hidden files)

10. Delete all the files that show up in the search results. They should be: 'wgasetup.exe', 'wga_eula.txt' and 'wganotifypackageinner.exe'

Instructions for Installing XP using a flash disk begin on the next page

Installing XP using a flash disk (not recommended)

1. Make an XP setup flash disk using Novicorp WinToFlash program.

2. Unplug the D510MO system and take the access panel off. There should be no IDE CD or DVD drives installed. Disconnect all drives except the one you are going to install XP on. You may have to switch the drive to the other of the two onboard SATA ports if windows XP setup does not find any drives.

3. With the flash disk plugged in, boot up. At the bios screen, hit F10 for the boot selection menu. Choose the flash disk with XP to boot from.

4. At the Novicorp boot menu, choose the first menu option.

5. Install XP. At the reboot, remove the flash disk. If you see the Novicorp boot menu screen again, then you know you must remove the flash disk and reboot. Windows XP will come up.

IMPORTANT:

DO NOT install any intel drivers post XP for the intel motherboard or the USB. The windows drivers, in this case, work better. The intel drivers seriously adversely affect the performance of the D510MO and will cause all sorts of problems – don't do it.

6. Go back to the previous section that describes the install procedure using the USB DVD drive and go through steps 5 through 10.