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Creating a bootable Windows XP SP1 CD (Nero) (TTID #160)

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Last Updated: September 4,

You will need the following items:

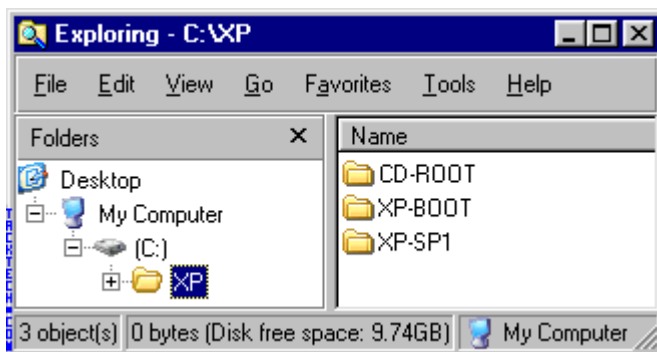
- 1.) A copy of the original Windows XP CD or ISO
- 2.) Network Installation of SP1 for Windows XP (available: [here](#)) ~133MB
- 3.) The boot file which you can download [here](#) ([bootfiles.zip](#) / 1.07KB)
- 4.) CD Recording Software ([Ahead](#) Nero 5.5.9.9 was used in this example)

* An example using Roxio Easy CD Creator Basic v5.03 is available, [here](#).

* If you are using an older version of Nero please read TTID# [177](#).

* If receive an error message while following the instructions please read TTID# [184](#).

Created a folder called **XP** on your hard drive (C: is used in this example). A minimum of 800MB is required. In this create three sub-folder called **CD-ROOT**, **XP-BOOT**, and **XP-SP1**. The end result will look something like the follow image.



Copy the entire Windows XP CD (or extract the ISO) into folder **CD-ROOT**.

Copy your Service Pack 1 file into **C:\XP**

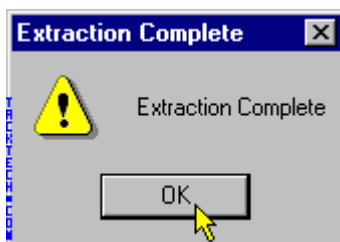
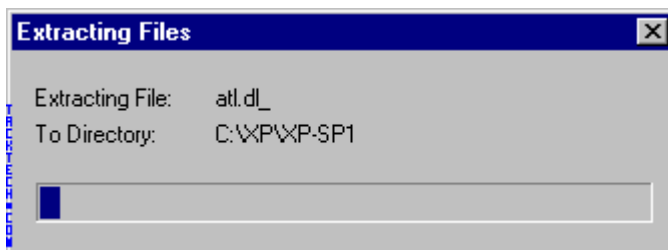
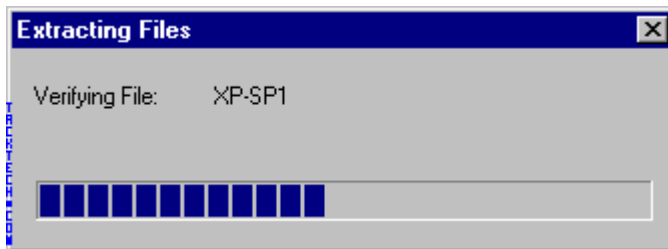
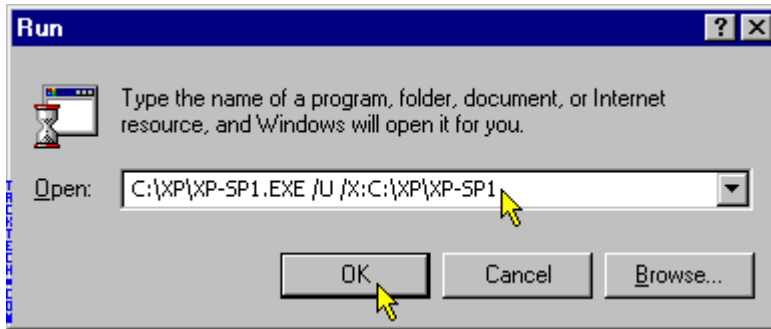
Rename the Service Pack file to **XP-SP1.EXE**

Click **Start** > **Run...**

Type in the following command in the **Open** text box:
C:\XP\XP-SP1.EXE /U /X:C:\XP\XP-SP1

Click the **OK** button.

When extraction is complete, click the **OK** button.



To apply the Service Pack 1 to the Windows XP in CD-ROOT

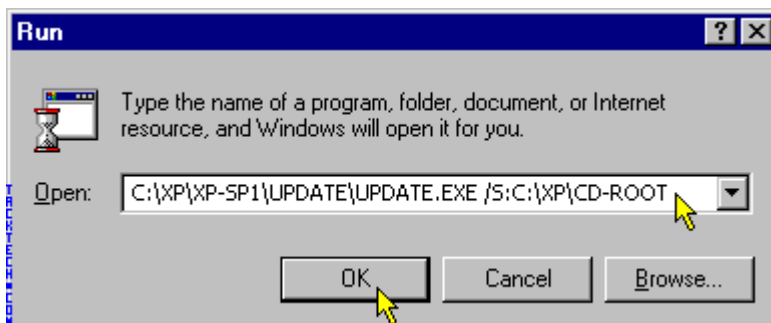
Click **Start** > **Run...**

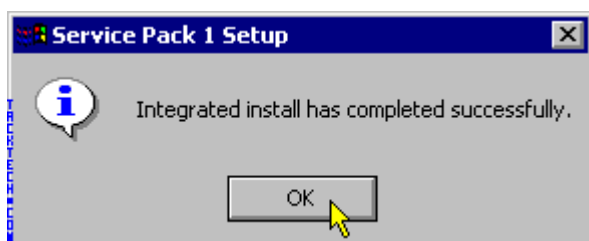
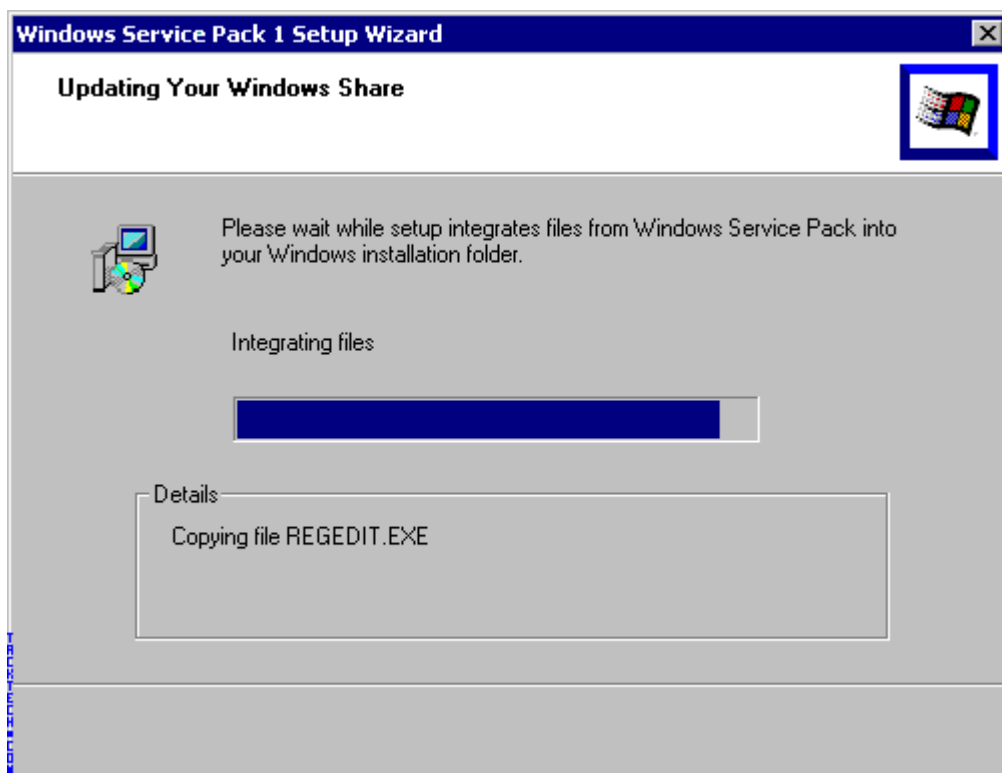
Type in the following command in the **Open** text box:

C:\XP\XP-SP1\UPDATE\UPDATE.EXE /S:C:\XP\CD-ROOT

Click the **OK** button.

When integrated install has completed successfully, click the **OK** button.





Extract the **BootSector** file (**boot.bin**) from bootfiles.zip in to the folder **C:\XP\XP-BOOT**

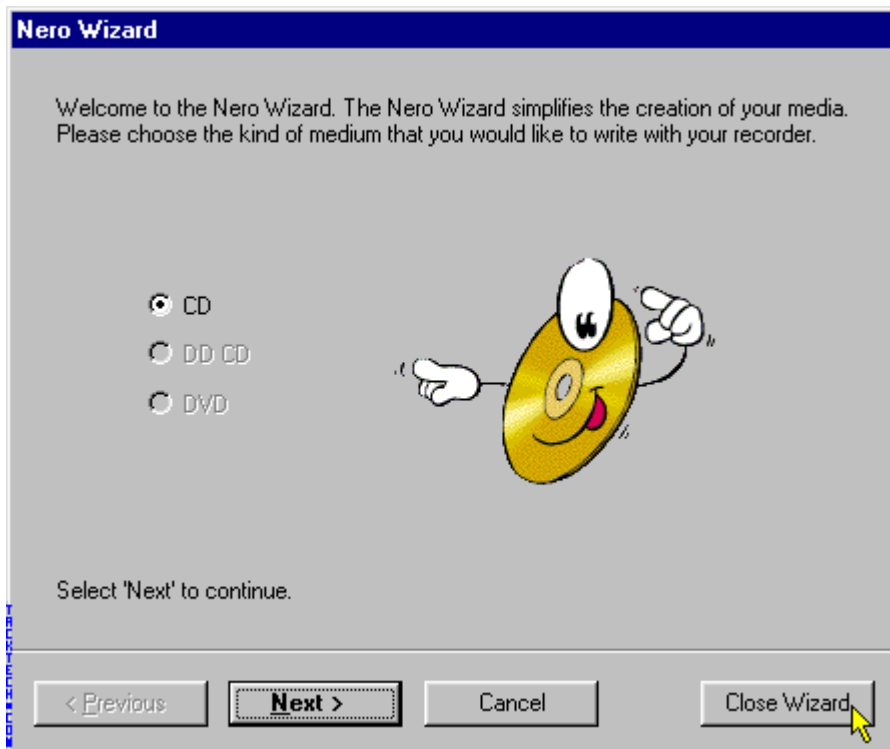
Start **Nero - Burning Rom** .

Select **File** > **New...** from the menu.

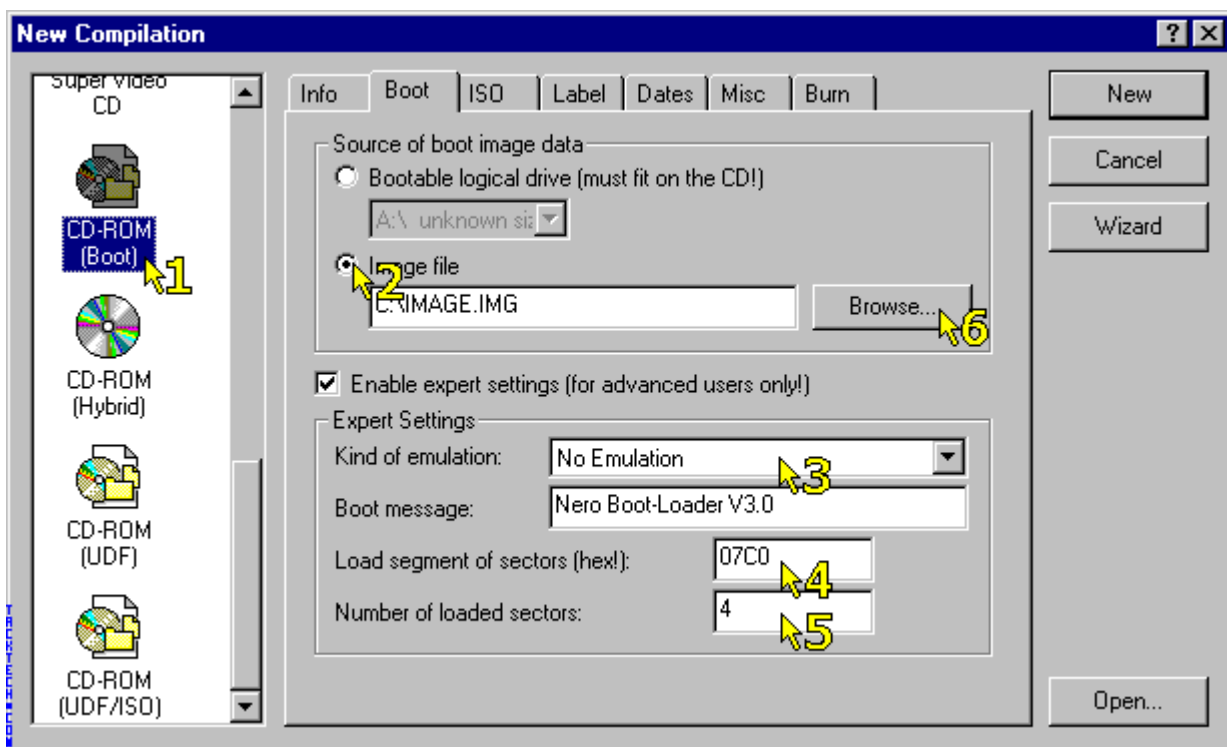


Start **Nero - Burning Rom** .

If the **Nero Wizard** starts, click the **Close Wizard** button.

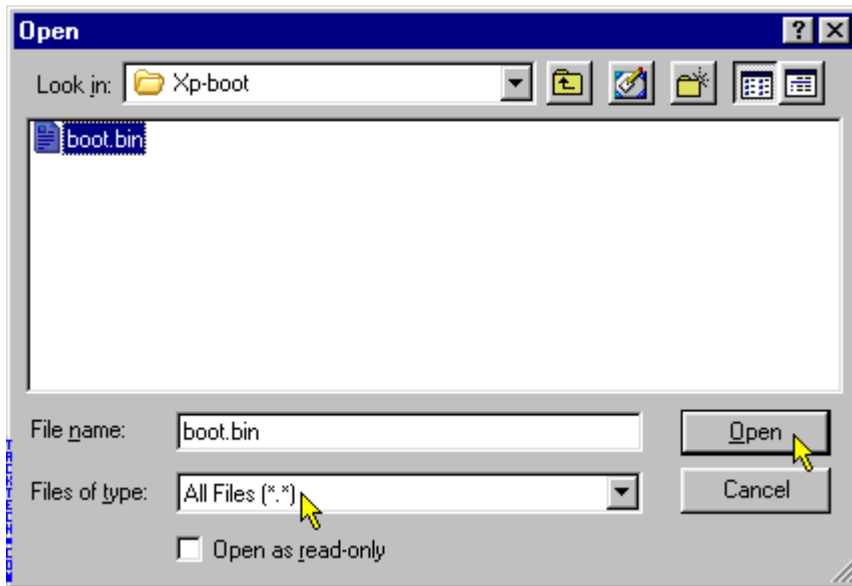


- 1.) Select **CD-ROM (Boot)**
- 2.) Select **Image file** from **Source of boot image data**
- 3.) Set **Kind of emulation:** to **No Emulation**
- 4.) Set **Load segment of sectors (hex!):** to **07C0**
- 5.) Set **Number of loaded sectors:** to **4**
- 6.) Press the **Browse...** button



Select **All Files (*.*)** from **File of type:**

Locate the **BootSector** file (boot.bin) in the folder **C:\XP\XP-BOOT**



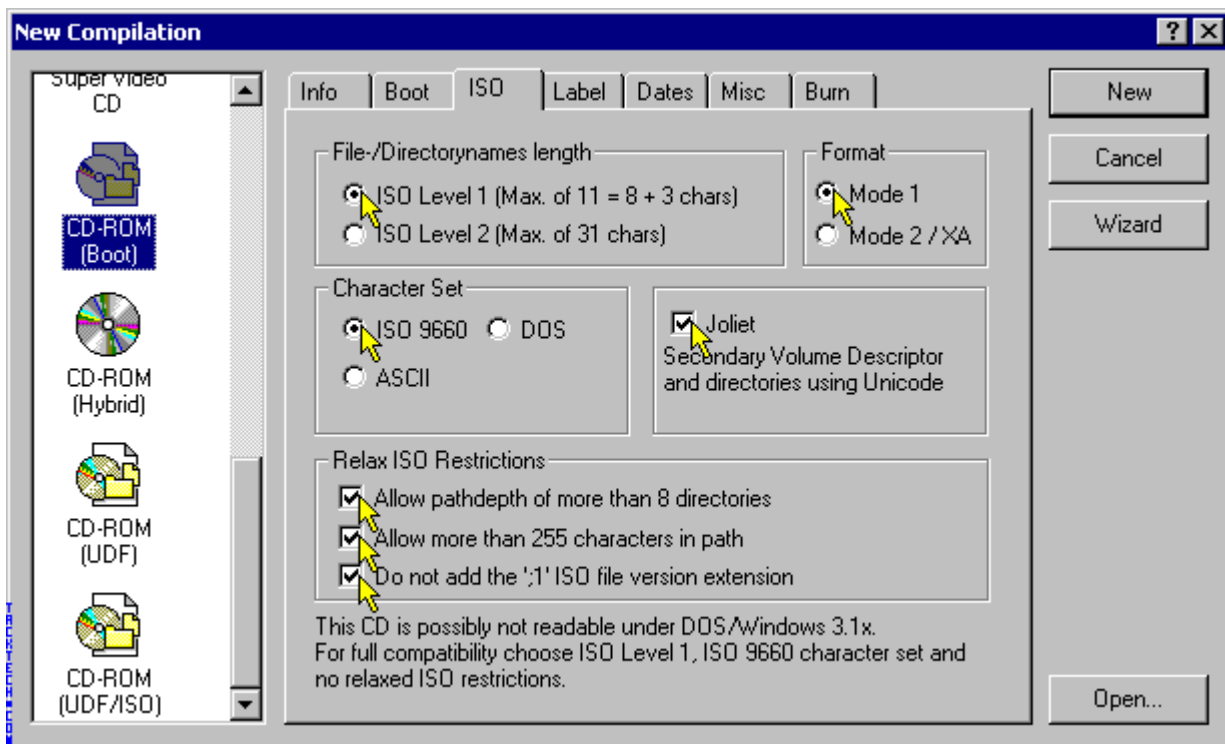
Set **File-/Directory length** to **ISO Level 1 (Max. of 11 = 8 + 3 chars)**

Set **Format** to **Mode 1**

Set **Character Set** to **ISO 9660**

Check the **Joliet** check box

Check all **Relax ISO Restrictions**



Select **ISO9660** from the drop down box.

Enter the **Volume Label** as **WXPVOL_EN**

Enter the **System Identifier** as **WXPVOL_EN**

Enter the **V**olume Set as **WXPVOL_EN**

Enter the **P**ublisher as **MICROSOFT_CORPORATION**

Enter the **D**ata Preparer as **MICROSOFT_CORPORATION**

Enter the **A**pplication as **WXPVOL_EN**

* For English Windows XP Professional OEM substitute **WXPVOL_EN** with **WXPOEM_EN**

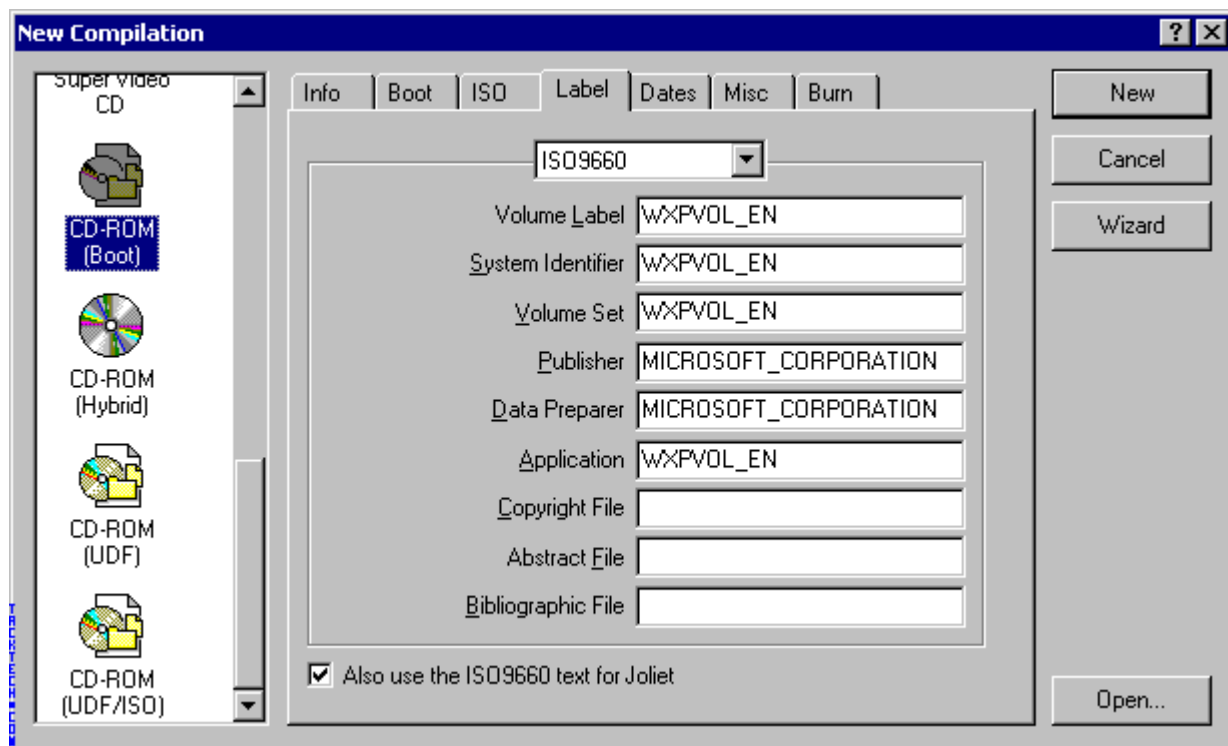
* For English Windows XP Home OEM substitute **WXPVOL_EN** with **WXHOEM_EN**

* For English Windows XP Professional Retail/NFR(Not For Resale) substitute **WXPVOL_EN** with **WXPFPF_EN**
Windows XP Professional Full Packaged Product English Version

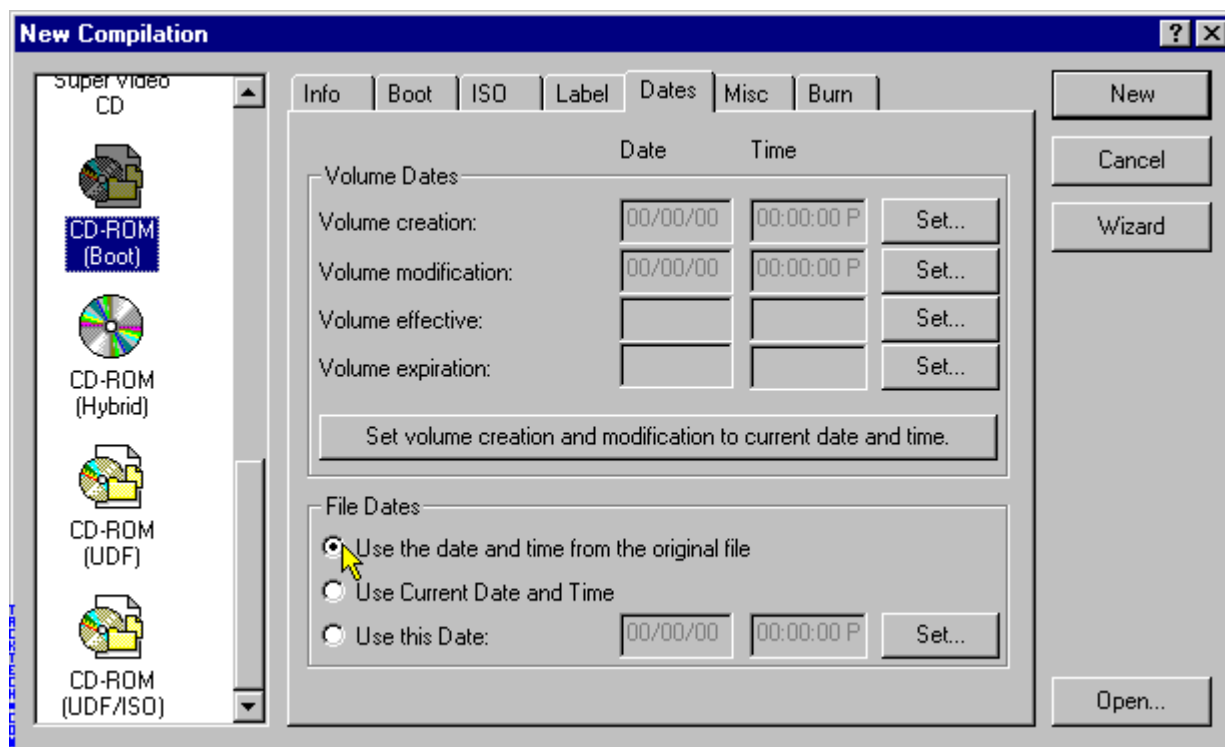
* For English Windows XP Home Upgrade substitute **WXPVOL_EN** with **WXHCCP_EN**

* For Italian Windows XP Professional OEM substitute **WXPVOL_EN** with **WXPOEM_IT**

* For Italian Windows XP Home OEM substitute **WXPVOL_EN** with **WXHOEM_IT**



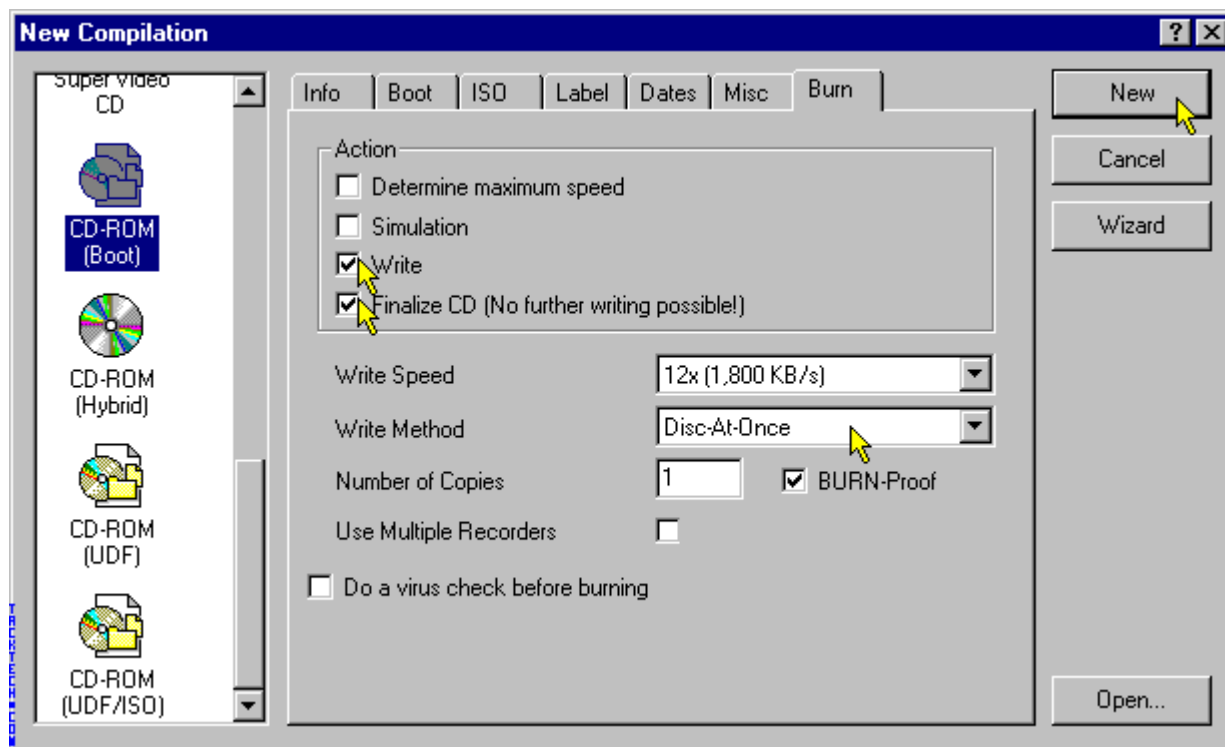
Select **Use the date and time from the original file** from **File Dates**



Check **Write**

Check **Finalize CD (No further writing possible!)**

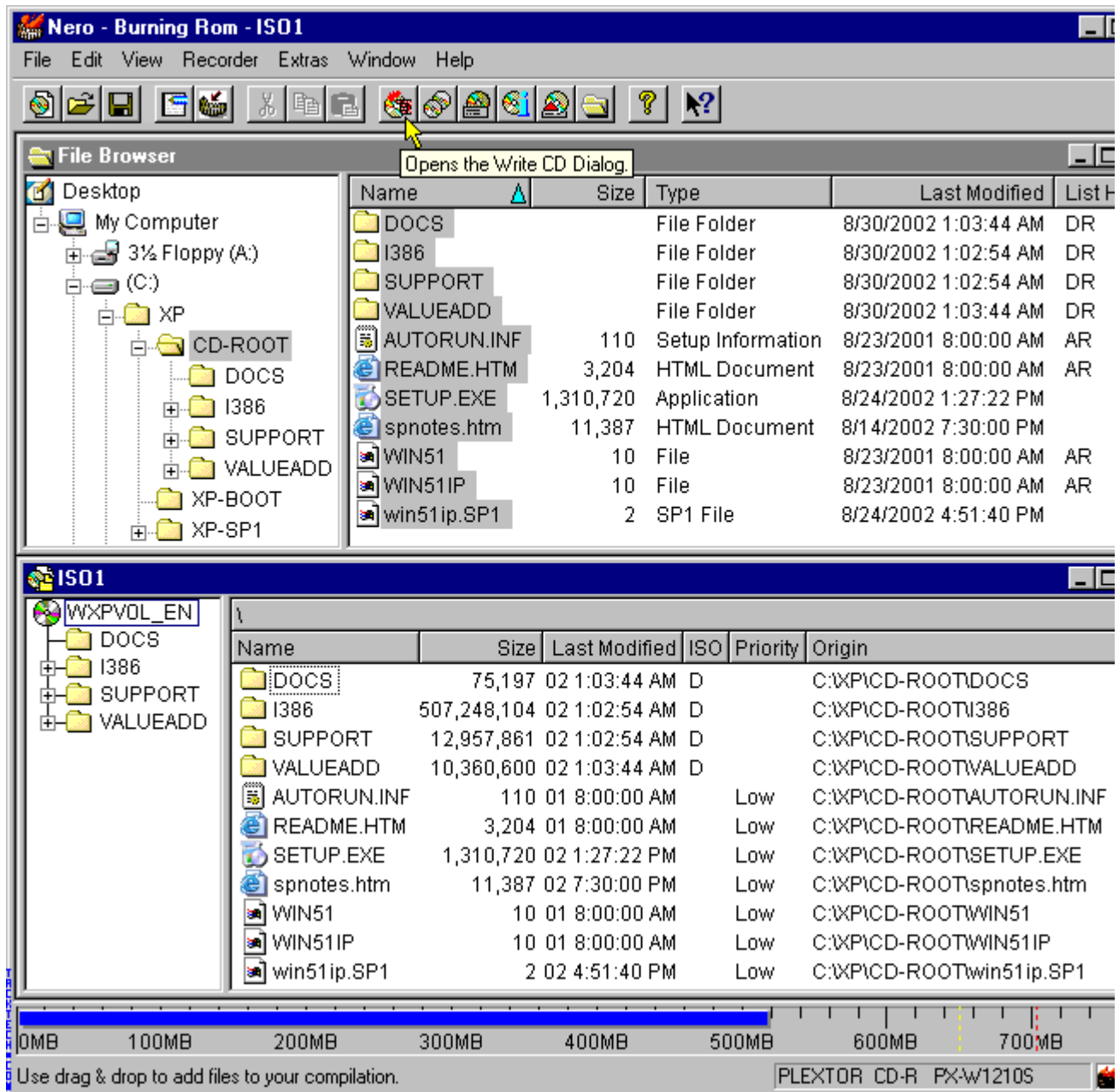
Set **Write Method** to **Disc-At-Once**. (We have had Track-At-Once work as well.)



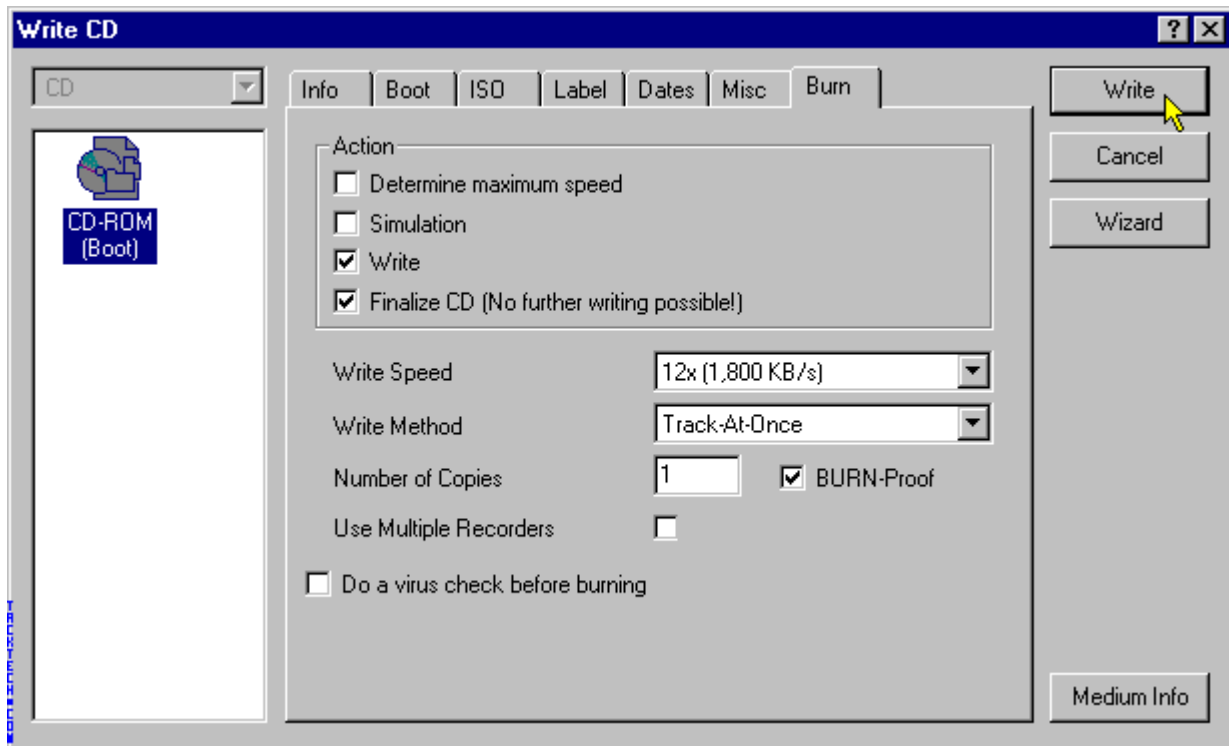
Locate the folder **C:\XP\CD-ROOT**

Select everything in the folder and drag it to the ISO compilation panel.

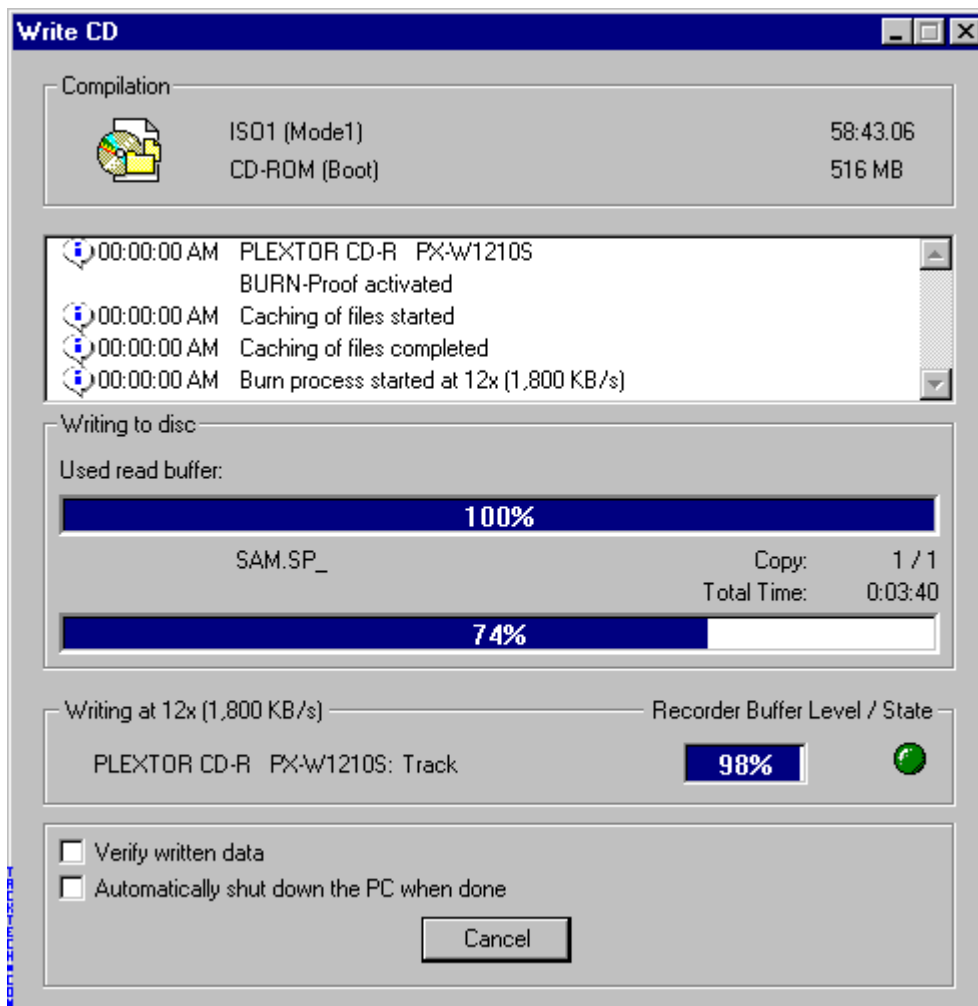
Click the **Write CD Dialog** button.



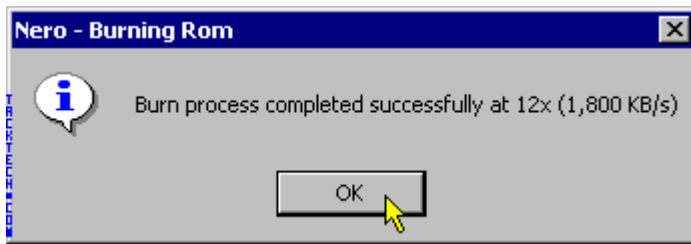
Click the **Write** button



Wait for CD creation to finish.



Click **OK**



Process complete. You're done.

Revision History:

09.04.2002 - Small changes to Article format. - Kevin
09.16.2002 - Added links to TTID# 177 for Nero fix and TTID# 184 for debugging. - Kevin
09.17.2002 - Added images for the extracting process. Changed parameter delimiters to /'s instead of -'s to match s
Microsoft documentation. Both the - and / worked during tested and produced the same results. Rephrased a few ar
to make them easier to understand. - Kevin
09.22.2002 - Added a yellow arrow and comment to point out the Joliet check box. - Kevin
09.23.2002 - Added Italian OEM CD Labels. - Kevin 09.23.2002 - Write Method from Track-At-Once to Disc-At-Once
Kevin 09.30.2002 - Added Windows XP Professional Full Packaged Product English Version CD label. Thank you Eddi
Kevin
10.02.2002 - Added Windows XP Home Upgrade English Version CD label. Thank you David P. - Kevin

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Last Updated: 08.24.2002

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