

# Re: Win2000 "C" Drive only 2.0 GB – How do I increase it?

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*Source:*

<http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.setup/2008-11/msg00021.html>

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- *From:* "DL" <[address@invalid](mailto:address@invalid)>
  - *Date:* Fri, 21 Nov 2008 20:51:03 -0000
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Any Bios update you get from HP

Read carefully any instructions as doing it incorrectly or suffering a power glitch whilst doing so can render your PC inoperative

BTW Using a second partition for backups isn't wise, since any hard drive failure would result in a complete loss.

"Jim-R" <[JimR@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:JimR@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:89385905-40FF-498D-BAF0-C68C81F83101@xxxxxxxxxxxxxxxx](mailto:news:89385905-40FF-498D-BAF0-C68C81F83101@xxxxxxxxxxxxxxxx)

Thank you for the great info!

I looked at my BIOS, but could not find the bits. It is "Revision 1.02 08/04/99" so I assume that it is 28-bit. Where do I get a BIOS update for my computer (HP8560C Pavilion desktop)?

Then I will do the 48-bit LBA instructions that DL sent.

Then from your information, I should be able to go into Disk Management and see how to add another 72GB NTFS partition to use all of the 200GB hard drive. I would plan to use that partition for data, photo backup, data backup from this computer or copied another computer.

Thanks for clearly explaining that I should not try to increase the size of the 128GB partition. The possible problems sound scary!

Thanks, Jim

"John John (MVP)" wrote:

There are a few things that you need to look at and consider.

First you have to make sure that your BIOS is 48-bit LBA compatible. By

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the looks of it I'm not sure that it is, if you were only able to create a 128GB partition your BIOS may only be 28-bit LBA capable, with a 48-bit LBA BIOS you should have been able to create a 137GB partition. Go in the BIOS and verify that the disk and its size is properly recognized, if it isn't you will need a BIOS update to properly use the remainder of the disk.

If your BIOS is 48-bit LBA capable you will have to enable 48-bit LBA large-disk support in the registry, DL has already pointed you to that information, follow the instructions in <http://support.microsoft.com/kb/305098>

You will not be able to increase the size of the present 128GB partition without the use of third party tools. After you verify the BIOS and add the EnableBigLba registry hack you can use the built-in Windows Disk Management tool to create another partition out of the remaining disk space. To start the Disk Management tool enter diskmgmt.msc in the Start menu Run box.

Third party partitioning tools can be used to increase the size of the current partition to use all the disk space but I would never do this myself and I would not advise anyone to do this with their Windows 2000 boot volume. Should your Windows 2000 installation ever need to be repaired with a chkdsk at the Recovery Console you are almost certain to corrupt the whole disk and loose everything on it as soon as chkdsk crosses the 137GB boundary. Should you ever need to perform a repair installation (in-place upgrade) of the operating system you are almost sure to run in the same kind of problems, the Windows setup program will not properly recognize the disk and the whole disk may be corrupted during the installation. For these reasons I do not advise that you increase the size of your present Windows partition to a greater size.

Should you ever need to repair or cleanly reinstall Windows 2000 on the present partition make sure that you install SP4 again and make sure that the EnableBigLba registry entry is present, if you try to copy or access files on the partition above the 137GB boundary without these you will probably corrupt the partition and loose all the files on it.

John

Jim-R wrote:

Thanks for the help! Although the directions did not match my system, I was able to delete the extended partion and do a new install of Win2000 Pro. I have also installed SP4. I now have only one partition with 127.99 GB

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which  
is much better!

How can I get this partition to recognize all 200 GB in my  
hard drive?

Thanks, Jim

"John John (MVP)" wrote:

I stand to be corrected but even if the  
installation disk is SP3 or  
better I still don't think that the disk will be  
properly seen during  
the text-mode portion of the setup, the  
text-mode portion cannot  
properly see or use the disk if it is larger  
than about 137GB. This is  
not the same with XP SP1 which can do  
48-bit LBA without the registry  
hack, Windows 2000 absolutely needs the  
hack and it isn't in the  
setupreg.hiv on the installation CD.

John

DL wrote:

Either start from scratch, or  
use a third party tool, eg  
Acronis Disk  
Director  
<http://support.microsoft.com/default.aspx?scid=kb:en-us:304868>

You need only a single  
partition, but see this in  
relation to the size  
of  
your hd, I suspect your  
version / installation cd for  
win2k is pre sp2  
and  
as such doesnt have large  
disk support  
<http://support.microsoft.com/default.aspx?scid=kb:en-us:305098>

"Jim-R"

Re: Win2000 "C" Drive only 2.0 GB – How do I increase it?

<Jim-R@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

[news:11112AE8-E092-4EFE-8407-08877B153422@xxxxxxxxxxxxxxxxxxxx](mailto:news:11112AE8-E092-4EFE-8407-08877B153422@xxxxxxxxxxxxxxxxxxxx)

Recent  
install of  
Win2000  
set tiny 2  
GB "C"  
drive & I  
cannot do  
updates &  
download  
programs. It  
setup D:  
drive as 126  
GB. (Both  
are NTFS).

How can I  
greatly  
enlarge the  
"C" drive  
recognized  
capacity?

Do I need  
partitions?

How can I  
use all of  
the 200 GB  
SeaGate  
hard drive?

Thank you,  
Jim