

Re: Windows won't boot if any partition extends past 120 GB on 250 GB drive

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Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.general/2008-03/msg04328.html>

- *From:* Will Pittenger <no-spam@xxxxxxxxxx>
 - *Date:* Wed, 19 Mar 2008 17:22:41 -0500
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Incidentally, as the attached screenshot shows, parts of Windows correctly see the size of the drive.

Anna wrote:

"Will Pittenger" <no-spam@xxxxxxxxxx> wrote in message
[news:%23ta\\$3hxhIHA.200@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23ta$3hxhIHA.200@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

I already knew 48-LBA was supported thanks to another program I downloaded. However, I did download yours. It was nicer. It does say that 48-bit LBA is supported.

I should note that the drive in question has been chirping. When my previous drive did that, someone at <http://hddguru.com> said to return the drive. I did that. So far, I have only noticed it with this drive (the replacement) once with Windows failing to wake up from hibernation once (cause unknown as I was asleep).

However, neither of the programs that I have run to check things like that have had a problem. Please note that your program sees this drive as only 137 GB. It knows about 48-bit LBA drives but can't properly recognize one?

JS wrote:

Verify if HD Tune indicates your drive supports 48Bit LBA.
HD Tune, provides drive info and has an option to test your drive.
<http://www.hdtune.com/>

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Will:

It seems reasonably clear (I least I **think** it's "reasonably clear"!) that when you installed your large-capacity HDD your XP OS did **not** contain SP1 and/or SP2. Would I be correct

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about that?

Should that be the case the OS will *not* detect disk-capacity > 137 GB (roughly 128 GB binary). Should you subsequently install SP1 and/or SP2 the full capacity of the disk will be recognized however the remaining disk space > the 137 GB (128 GB) will be considered "unallocated space", i.e., disk space that you can partition/format using XP's Disk Management utility. So at the minimum you have two partitions on the drive.

Obviously we're assuming your BIOS supports large-capacity disks and judging from your description it does.

Anna

P.S.

The "chirping" is another story. Just ensure you maintain current backups of your system.

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