

# 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/msg04395.html>

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- *From:* Will Pittenger <[no-spam@xxxxxxxxxx](mailto:no-spam@xxxxxxxxxx)>
  - *Date:* Wed, 19 Mar 2008 22:40:39 -0500
- 

1. It won't run on this system and I don't know why. If I run the Windows program, all of Windows hangs. If I boot the rescue floppy, I get error #114 for the drive. If I boot the CD, it complains about some sort of internal error and dumps me at a Y: prompt. Even when Partition Magic did run in Windows, it claimed my drive was a 137 GB drive.

2. Partition Magic doesn't run inside Bart PE.

Bill in Co. wrote:

But what?? You can buy Partition Magic.

Will Pittenger wrote:

Older copies of Windows XP included a version that supported up to at least 137 GB. Such a version is part of my BartPE CD. I would prefer Partition Magic, but...

JS wrote:

FDISK is not supported on XP (need a Windows 98 boot disk with FDISK installed) and I don't think it supports large partitions (more than 32GB) or NTFS.

For Windows XP see:

A Description of the Diskpart Command-Line Utility  
<http://support.microsoft.com/kb/300415>

JS

"Will Pittenger" <[no-spam@xxxxxxxxxx](mailto:no-spam@xxxxxxxxxx)> wrote in message  
[news:OVOGWyiiHA.5160@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OVOGWyiiHA.5160@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Does FDISK's Clean command do a low level format? Would it work on a large drive?

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JS wrote:

Only thing I can think of is that your partition table information has been mucked up. You are probably not going to like this but ...

Backup you data on the drives  
Grab your Windows CD (must be either SP1 or SP2 version)  
Perform a 'Clean Install' of Windows, using the Windows CD to delete all existing drives/partitions. Then create the 'Primary' C: partition, install Windows and then use Disk Management to create the Extended partition and logical drives.

Another option would be to use Acronis True Image (see note about product test below) to make an image backup of all the files on each partition (including C:) to your second drive. Then use the Windows CD to remove the existing partitions (as stated above). Next create the primary partition and the restore the image of your C: drive, you do this by using the True Image emergency boot CD to access and restore the image file stored on your second drive. Then use Windows Disk Management to create the remaining partitions (including the free space

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you could not access  
before).

Note: Since you appear to  
be using a Promise card I  
would test Acronis  
emergency CD  
by removing the hard drive  
that has Windows installed  
and see if Acronis  
can see your other drive  
which I assume is also  
connected to the Promise  
card.

Acronis True Image  
(has a 15 day trial version  
although I have not tried it, I  
use Norton  
Ghost, both products  
support an Emergency Boot  
CD)

<http://www.acronis.com/homecomputing/products/trueimage/>

How to do a Clean Install of  
Windows XP  
Start by changing the BIOS  
setting to Boot from CD  
drive first.

Then see below:

From Michael Steven's:

<http://www.michaelstevenstech.com/cleanxpinstall.html>

more info:

<http://windowsxp.mvps.org/XPClean.htm>

and:

[http://www.theeldergeek.com/clean\\_installation\\_of\\_windows\\_xp.htm](http://www.theeldergeek.com/clean_installation_of_windows_xp.htm)

also:

<http://www.bootdisk.com/>

Also make sure you have  
the drivers you need for  
your motherboard, video  
card, sound card, Etc.

Try Belarc Advisor:

[http://www.belarc.com/free\\_download.html](http://www.belarc.com/free_download.html)

It does a good job of  
providing a wealth of  
information including  
software Key codes  
and Devices you will need

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Drivers for.

I've said a lot and don't  
blame you if you decline,  
it's just my best  
guess having used a Linux  
based partition tool  
in the distant past and then  
trying to reinstall Windows.

JS

"Will Pittenger"

<no-spam@xxxxxxxxxx>

wrote in message

[news:uNbY6LiiHA.1132@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:uNbY6LiiHA.1132@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Not sure. It  
was either  
Partition  
Magic 8 or  
GParted.

JS wrote:

Did  
you  
use  
Partition  
Magic  
or  
Windows  
Disk  
Management  
to  
create  
the  
Extended  
partition  
and  
then  
the  
logical  
drives  
D:,  
E:  
and  
F:  
?

JS

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

"Will  
Pittenger"  
<no-spam@xxxxxxxx>  
wrote  
in  
message  
[news:%23kiW\\$0hiIHA.5956@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](news:%23kiW$0hiIHA.5956@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Correct.

JS  
wrote:

So  
if  
you  
right  
click  
on  
the  
'Free  
Space'  
in  
Drive  
0  
and  
create  
a  
new  
logical  
drive  
(assuming  
you  
are  
able  
to)  
this  
is  
when  
your  
problems  
begin?

JS

"Will  
Pittenger"  
<no-spam@xxxxxxxx>  
wrote  
in

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message  
[news:OXDwE8giIHA.4320@xxxxxxxxxxxxx](mailto:news:OXDwE8giIHA.4320@xxxxxxxxxxxxx)

Incidentally,  
as  
the  
attached  
screenshot  
shows,  
parts  
of  
Windows  
correctly  
see  
the  
size  
of  
the  
drive.

Anna  
wrote:

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

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

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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

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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

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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.l>

---  
will  
68  
at  
mtco  
dot  
com  
will  
dot  
pittenger1  
at  
gmail  
dot  
com  
(use  
this  
address





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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.

--  
will  
68  
at

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mtco  
dot  
com  
will  
dot  
pittenger1  
at  
gmail  
dot  
com  
(use  
this  
address  
for  
large  
signatures)

--  
will  
68  
at  
mtco  
dot  
com  
will  
dot  
pittenger1  
at  
gmail  
dot  
com  
(use  
this  
address  
for  
large  
signatures)

--  
will 68 at  
mtco dot  
com  
will dot  
pittenger1  
at gmail dot  
com (use  
this address  
for large  
signatures)

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will 68 at mtco dot com  
will dot pittenger1 at gmail dot com (use this  
address for large signatures)

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will 68 at mtco dot com  
will dot pittenger1 at gmail dot com (use this address for large signatures)

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