

## Re: New HD for WinMe, AMD Duron (Feb 2001) – BIOS limit, solved?

**Source:**

<http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.general/2004-09/1352.html>

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*MsOsWin\_at\_nonooo.com*

**Date:** 09/11/04

Date: Sat, 11 Sep 2004 06:13:20 +0000 (UTC)

"Dave Patrick" <mail@Nospam.DSPatrick.com> in  
news:u1\$utc5IEHA.748@TK2MSFTNGP15.phx.gbl:

> <MsOsWin@nonooo.com> wrote:  
> | My HD died. Fry's has good price Seagate ST3160023A 160GB Ultra  
> | ATA/100 Hard Drive \$99.99, \$49.99 after rebate[ugh].  
> |  
> | i've been reading usenet posts and Seagate (HD), FIC (mobo), Phoenix  
> | (=Award), Via (chipset), AMD, MS, & other sites. i summarize:  
> |  
> | BIOS & partitions  
> | my bios doesn't 48 bit LBA. seagate DDO (disc overlay) works ok, but  
> | can cause trouble wiht major operations later (file recovery,  
> | repartitoin, etc)  
> | \* Windows 2000 definitely won't like any disk overlay.

ok, actualy i hadn't readup on win2k and overlays. seagate  
<http://www.seagate.com/support/kb/disc/capacity/137/os/win2000.html>  
warns:

Before performing any troubleshooting with large capacity drives in Windows 2000, confirm that you have Service Pack 3 or higher. Without this service pack it is unsafe to operate a large capacity ATA drive in Windows 2000.

To determine if Windows 2000 is at service pack 3 or higher follow these steps:

Right click My Computer.

Choose Properties.

View the 3rd line down to determine your service. Click here for an example screen shot.

If it does not say "Service Pack 3" or greater, an upgrade is required to support drives larger than 137GB.

microsoft.public.win2000.general: Re: New HD for WinMe, AMD Duron (Feb 2001) – BIOS limit, solved?

Download and run our DiscWizard 2003 software in Windows. It can enable the large LBA support after the service pack has been installed.

– or –

Once the service pack has been applied you will need to update the operating system to enable large LBA. See Microsoft Knowledge Base Article 305098

>| *hardware controller card is best LBA solution.*  
> \* *Ever if you slipstream SP4 into your install Windows 2000 won't see the entire drive till after the install and the registry hack.*  
> *48-Bit LBA Support for ATAPI Disk Drives in Windows 2000*  
> <http://support.microsoft.com/?id=305098>

i'll have to reread that. but this list

"NOTE: If you enable 48-bit LBA ATAPI support by editing the preceding registry key, but your system does not meet the minimum requirements, you may observe the following behaviors  
[snip]"

implies that there may be problems unless BIOS can 48 bit lba. so, the controller card solution (or an only 120gb hd) is most reliable.

>| *i intend to partition anyway. multipartition would solve 137 gb limit*  
>| *trouble. therefore, no need for ddo software? but are partitions*  
>| *reliable?*  
> \* *Absolutely. This way you can install the OS to say a 10 to 15 gB*  
> *partition then store data on subsequent partitions. In the event you*  
> *need to blow away the OS and start a new install you won't need to be*  
> *worried about your data partitions.*

>| -----

>|

>| *[System: AMD Duron 800MHz,*  
>| *FIC AZ11 pcb 1.2 (the last mobo version) using Via KT133 chipset*  
>| *Award BIOS v6.00 (bought with VDA44, which is the current*  
>| *downloadable upgrade) Win Me.]*  
> \* *You didn't mention RAM but this may pay off better than anything*  
> *else you can buy hardware-wise.*

655mb 133MHz, but FSB is jumpered to 100MHz. (and i don't intend to mess with that setting).

thanks for your comments.