

Re: New SATA hard drive not being detected

Source:

http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.help_and_support/2007-07/msg00599.htm

- *From:* John Neiberger <jneiberger@xxxxxxxxxx>
 - *Date:* Sun, 08 Jul 2007 05:31:17 -0000
-

On Jul 7, 5:46 pm, "Bob Harris" <[rharris270\[SPAM\]@hotmail.com](mailto:rharris270[SPAM]@hotmail.com)> wrote:

First, is the new hard drive detected by the POST (power on test)? This is the black screen with white characters that you might see immediately after powering on the PC (or doing a warm boot). It is well below the level of windows.

If the POST just wizzes by, go into the BIOS setup and disable an option like "quick boot". For the moment you want to see as much as possible. Also, look for a quick message about hitting some key to see details during the POST.

In any event, does the POST see the new drive? If not, you may need to go into the BIOS and configure something that sounds like turning on the SATA controller.

Another possible problem is that the SATA controller may also be a RAID controller. If so, you might need to create a RAID array containing just the one disk, or chose an option like JBOD (just a bunch of disks). In my motherboard manual the details I needed to configure the RAID controller where hidden on page 130 or so.

On my ASUS motherboard I had to play with the BIOS and also with the RAID setup (not in the BIOS, but seen during the power on test, very briefly, after the memory test). Then, I was able to see the hard drive with the Seagate Tools (Seatools), partition and format the disk. Until that point, nothing could see the hard drive, not GHOST floppy, not FDISK, not XP, nothing.

Now when I boot I see the "Fastrak" RAID controller sensing the drive and telling me that it is functional.

Of course, XP still could not see the hard drive.

To get XP to see it I had to install a special driver that came with the motherboard (on CD, but I used the updated version I downloaded from ASUS). Note: The drive is associated with the disk controller, not with the hard drive. Since this was to be my boot disk, I had to install XP using the F6

Re: New SATA hard drive not being detected

option to load the driver. In your case you should not need to re-install XP with F6, since XP is already (happily?) installed on another drive. Instead, you probably need to install the XP drivers, as you would for any other hardware for which XP has no default drivers. But, first be sure that the BIOS and POST can see the SATA drive, or XP has no chance.

My system sees the drive, it just thinks it's a SCSI CDROM instead of a hard disk drive. I saw a tech note on Maxtor's website about it and it just told me to ask Gigabyte tech support if they've got a fix for it. I already have one SATA drive in this PC. Why would it not detect the second one? Very weird.

.