

# Re: Lost HD Master function / CMOS checksum error

---

*Source:*

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.general/2006-08/msg04831.html>

---

- *From:* NoStop <nospam@xxxxxxxxxxx>
  - *Date:* Sun, 20 Aug 2006 07:50:02 -0700
- 

On Saturday 19 August 2006 11:46 pm, tedomiman had this to say in microsoft.public.windowsxp.general:

20 Aug., 2006. To: Win XP Gen (No Stop)

OK. Trying out this Outlook Newsgroup route as advised earlier by W. Vogel. Hope this works.

"CMOS Checksum error – defaults loaded  
Warning! CPU has changed. or CPU ratio changed fail  
Please re-enter CPU settings in the CMOS setup and remember to save  
before exit!

As regards the above, I'm not exactly sure what's meant by lines 2 and 3. What's meant by "CPU ratio changed fail"? What kind of English is that? I'm out of it at moment, using the affected HDD as a Slave right now in this computer here, trying to back things up – 30 GB's of it!; so can't re-check CMOS right now. Just popped in here for quick check, to look for some extra help before I really mess things up.

If it means the clock freq ratio, it's set as usual to 133 x 20. That works out to 2.66 GHz, which is correct. Nothing to change.

I jumped into this thread mainly because others were pointing to some problem with your hard drive, when in fact, the only error message you posted was related to a BIOS problem. You can play with your BIOS settings until you're able to get the computer to boot without displaying that error message and you don't need your hard drive in the system while

Re: Lost HD Master function / CMOS checksum error

troubleshooting it. In fact, for safety reasons, I'd detach that hard drive.

BIOS settings are something I can't troubleshoot through Usenet, as there are so many settings that can impact one another and every BIOS version may vary.

Look at your motherboard manual (or visit the manufacturer's website) to see how to properly clear that BIOS. Usually there will be a jumper on the mobo for doing this.

Just to be sure, start with a fresh BIOS battery, since that's so easily replaceable.

Make sure that when you've set the CPU settings that you also set your memory to run at the appropriate speed for your bus settings. A 1:1 setting can be tried.

There is also the possibility that your power supply isn't sending enough power to your CPU to run at the speed you're trying to use. Again, swapping the PSU with a known good one, is another easy troubleshooting step.

It IS POSSIBLE that your BIOS chip is screwed and will require either replacement (if it will pop out) or a new motherboard. This of course is a serious and expensive problem.

But I wouldn't even be looking at diagnosing your hard drive until you address the BIOS issue first.

Best of luck.

If I remember correctly (highly debatable), there was one "CPU Settings" that when I clicked ENTER, I saw an unchangeable single entry – something about 'Thermal setting' or similar. It didn't look critical at all; otherwise I would have delved deeper. So nothing to do there.

As I said before, all other entries for CPU, etc., looked normal. I've seen those

<snip>

---

What have you done about the cmos error #2 above? That's the only error message being displayed.

--

WGA is the best thing that has happened for Linux in a while.

Re: Lost HD Master function / CMOS checksum error

The ULTIMATE Windoze Fanboy:

<http://video.google.com/videoplay?docid=-2370205018226686613>

Is this a modern day equivalent of a Nazi youth rally?:

<http://www.ntk.net/media/developers.mpg>

A 3D Linux Desktop (video) ...

<http://www.youtube.com/watch?v=DUSn-jBA3CE>

View Some Common Linux Desktops ...

<http://shots.osdir.com/>

--

WGA is the best thing that has happened for Linux in a while.

The ULTIMATE Windoze Fanboy:

<http://video.google.com/videoplay?docid=-2370205018226686613>

Is this a modern day equivalent of a Nazi youth rally?:

<http://www.ntk.net/media/developers.mpg>

A 3D Linux Desktop (video) ...

<http://www.youtube.com/watch?v=DUSn-jBA3CE>

View Some Common Linux Desktops ...

<http://shots.osdir.com/>

.