

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.hardware/2007-12/msg00047.html>

- *From:* "Lil' Dave" <spamyourself@xxxxxxxx>
 - *Date:* Sun, 2 Dec 2007 00:33:35 -0600
-

Just threw that out there in case he had such a model.

Kingwin. Don't have model numbers. They are about 6 years old at least.

Last 2 set, plus 2 extra trays I bought didn't have this jumper thing.
Double fans, all aluminum except plastic front on enclosure. Bout a year old. Kingwin also.

—

Dave

"Anna" <myname@xxxxxxxx> wrote in message
<news:uTa8LRENIHA.6108@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Dave:

That's interesting. I've worked with dozens of different makes & models of mobile racks over a fairly long period of years and I've never come across one with jumper selectors on the rack itself. A most unusual arrangement to say the least. Could you let me know the make & model of such a unit?

Thanks.

Anna

"Lil' Dave" <spamyourself@xxxxxxxx> wrote in message
<news:%23DnZUZDNIHA.1168@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

A few bay mounted ide hard drive enclosures I've used have a jumper(s) as part of the enclosure. The ide hard drive must be set master or slave, the jumper on the enclosure is set per that setting of the hard drive. Cable select setting on the hard drive is not an option for proper operation in such cases.

—

Dave

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

"neil" <neilp67_@xxxxxxxxxxxx> wrote in message
[news:zxW3j.8123\\$B97.1122@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:zxW3j.8123$B97.1122@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Hi Anna,
I have tried the drive connected to the internal IDE and in the caddy, using master & cable select but no change. I now have the drive with a copy of XP SP2 fully installed and if I put it in the caddy I get the error message "disk read error press ctr alt del" at boot, but if I connect it to the internal IDE cable using the cable that is normally connected to the caddy (primary master) then it boots into XP and works without error. I did put it into the same tray as my normal 120Gb drive and the error is the same. Both 120Gb & 160Gb are set to "cable select".

Any ideas
Neil

"Anna" <myname@xxxxxxxx> wrote in message
news:uRCxRTtMIHA.5860@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

"neil" <neilp67_@xxxxxxxxxxxx> wrote in message
[news:KsD3j.338\\$pC2.289@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:KsD3j.338$pC2.289@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Just to ensure we're talking about the same type of component – a mobile rack that's affixed to a desktop's 5 1/4" bay that has a removable tray (caddy) housing a HDD — that's right,

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

isn't it? And
if so, you're
working
with only a
single
mobile rack,
right?

That is correct..

1. First of
all, has this
problem
just arisen,
i.e., has the
Seagate
ever
worked
properly
while it was
installed in
the mobile
rack or
has it
never
properly
functioned
while
installed in
the mobile
rack?

The Seagate drive has never
worked in the caddy, I
thought it was
faulty and sent it back under
warranty but the
replacement acts just
the same as the original
drive. This made me
investigate further by
connecting it directly to the
IDE cable and that is when I
found out
it will boot in that
configuration...

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

2. And you say that when the removable tray contains your bootable 120 GB HDD it boots & functions just fine, right? Obviously indicating there's no problem with the rack itself, right?

That is correct..

3. But when you insert your bootable Seagate 160 GB HDD in the *same* removable tray in the *same* mobile rack, you get the "disk error..." message you refer to and the drive is not bootable. Right?

I fit it into my second

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

removable tray and that is
when I get the boot
error..I have always left the
120Gb drive in what I call
my 1st tray,
suppose I could try putting
the Seagate in the second
tray..

4. But you
know
there's
nothing
wrong with
the Seagate
because it
boots &
functions
just fine
when you
connect it as
an internal
HDD,
right? And
when you
do this the
Seagate is
jumpered as
Master and
is
connected
to your
Primary
IDE
connector
on the
motherboard,
right?
And your
mobile rack
is similarly
connected
as Primary
Master
when
it's in use?
So that
when you
connect the

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

Seagate as
an internal
Primary
Master (for
testing
purposes),
you
disconnect
the mobile
rack's IDE
cable
connected
to the rack
and use it to
connect the
Seagate,
right?

Yes, but I use cable select
for either the 120Gb or the
160Gb and when
I have use a 20Gb drive in
the second bay.. The 250Gb
permanent drive
is also set as cable select...

Think
there's any
chance that
the problem
you're
experiencing
may be
in the HDD
jumpering
as related to
the IDE
cable
connections/configurations
to the
motherboard's
IDE
channel(s)?

I have tried both cable select
& master links.

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

Anna

P.S.
You
indicated in
a
subsequent
post that
you think
the problem
may be
due to the
large-drive
limitation
involving
HDDs >
137 GB.
But didn't
you indicate
that the full
disk
capacity of
your 250
GB HDD is
detected in
your system
without any
problems?

The full capacity has always
been seen of all drives it is
just a boot
issue not a full capacity
issue...

(I note the
comment
from a
responder to
your query
to the effect
that
"Caddys are
not that
reliable for
the larger
hard drives
(greater

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

than the
bios LBA
limit of
137GB.)".
That has not
been our
experience
and we have
worked
with a wide
variety of
mobile
racks in
many, many
systems
over the
year. As
long as the
BIOS
supports
large-drive
capability
and your
XP OS
contains
SP1 and/or
SP2 at the
time you
install the
OS onto the
HDD,
there's no
problem
with the
mobile rack
itself not
detecting
HDDs >
137 GB. At
least we've
never once
encountered
that
problem.)

It just crossed my mind that
it might have something to
do with the
137Gb limit as the drives I
swap that are less than

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

137Gb do boot, but
the first time I use a drive
>137Gb (as a boot drive) in
the caddy it
doesn't.

Thanks for taking the time
to run through the issues,
hoping you can
come up with a resolution.

Neil

Neil:

As I previously indicated, *all* that is
necessary for the system to
recognize a large-capacity HDD, i.e., one
whose capacity is > 137 GB
(approx.), are two requirements...

1. The XP OS contains either SP1 or SP2 at
the time the OS is installed
on the HDD, and,
2. Your motherboard's BIOS supports
large-capacity disks. And we know
there's no problem here because you've
indicated the system detects the
full capacity of one of your secondary 250
GB HDDs (at least that's
what I think you stated).

That's it. Nothing else. It has nothing to do
with the mobile rack
itself.

In any event, if it happened that the XP OS
that was installed on your
Seagate HDD did *not* contain SP1 or SP2
at the time the OS was
installed, the system would still detect the
drive; it just wouldn't
detect its full capacity. It should still boot
and function properly
except for the unrecognized additional disk
space.

As a test, could you jumper the Seagate as
Master (rather than CS),
install it in the removable tray, and ensure
the IDE cable is connected

Re: 160 Gb drive in a removable caddy give "disk error press ctrl alt del" on boot

to the Primary IDE connector on the motherboard, and disconnect your second mobile rack together with any other connected internal HDD? Then attempt a boot. Same problem?

And, if so, if you uninstalled the Seagate from the removable tray and installed the 120 GB HDD, jumpered as Master, in the same mobile rack still connected to the motherboard's Primary IDE connector, it will boot?

And you say, setting aside the removable HDD mobile racks, that the Seagate 160 GB if *directly* connected to the Primary IDE channel as an internal HDD will boot & function properly?

Could you detect anything in the motherboard's BIOS settings relative to boot priority order or some such that might shed some light on this? Although as you describe the situation (as I understand it) it's hard for me to conceive that's where the problem lays. But maybe...
Anna