

# Re: Plug and Play detection of Monitor

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*Source:*

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.hardware/2008-05/msg00232.html>

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- *From:* Paul <nospam@xxxxxxxxxxx>
  - *Date:* Tue, 06 May 2008 18:15:52 -0400
- 

Ken wrote:

On May 4, 1:23 pm, "philo" <ph...@xxxxxxxxxxx> wrote:

"Ken" <ka...@xxxxxxxxxxxxxxxx> wrote in message

<news:0749796f-d04b-43b2-bcfd-1c171be2c367@xx>

On May 4, 10:25 am, "philo" <ph...@xxxxxxxxxxx> wrote:

"Ken" <ka...@xxxxxxxxxxxxxxxx> wrote in message

<news:946f385d-042f-4eb4-be06-2d3815bc0e41@xx>

On May 4, 9:01 am, "philo"  
<ph...@xxxxxxxxxxx>  
wrote:

<snip>

Nvidia  
and  
ATI  
have  
the  
capability  
to  
set  
a  
custom  
resolution.  
Powerstrip  
from

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Entechtaiwan  
(\$)  
can  
do  
that.  
Nvidia,  
in  
the  
classic  
control  
panel,  
has  
a  
custom  
resolution  
dialog.  
With  
ATI,  
there  
can  
be  
a  
list  
of  
resolutions  
you  
can  
get  
to  
show  
up  
in  
a  
menu.  
So  
there  
are  
ways  
to  
try  
to  
deal  
with  
it.  
Powerstrip  
is  
for  
cases  
where  
all  
else

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fails.  
So  
try  
the  
monitor  
driver  
first,  
and  
select  
"install"  
when  
right-clicked  
on  
the  
INF  
on  
the  
driver  
CD.  
Paul

The  
monitor  
is  
a  
G900W  
with  
1440  
x  
900  
resolution.  
The  
BENQ  
site

has

drivers  
which  
seem  
to  
be  
the  
same  
as  
those  
on  
the  
CD  
that  
came

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with

the  
monitor.  
Right  
clicking  
the  
.inf  
file  
that  
is  
included  
with  
the  
driver  
and  
selecting  
install  
does  
nothing  
apparent  
–  
perhaps  
it  
is  
installing

the

driver  
but  
because  
plug  
and  
play  
is  
not  
detecting  
the  
monitor  
I

cannot

see  
the  
driver.  
I  
have  
downloaded  
the

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Monitor  
Asset  
Manager  
and  
will  
see  
what  
it  
shows.

But the  
installation  
of your  
video card  
or display  
adaptor is

essential

if you want  
to get it  
working. I'd  
really  
concentrate  
on that first.  
If your  
video card  
cannot be  
set to 1440  
x 900  
there is  
nothing  
monitor  
related you  
can do to  
make it so

All I know is that the  
motherboard has a built in  
adapter using the  
UniChrome graphics engine  
according to the Gigabyte  
website. There is  
no adapter showing up in  
the hardware list.

If you know the exact model of your  
motherboard  
you should be able to go to the website and  
download the correct driver  
for your on-board graphics...

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once that;s installed, hopefully things will get better.

Just out of curiosity.

what does it show if you right click on the desktop

and look at properties ==> settings ?

Settings shows the display as Default Monitor and if I click on

Advanced then there is no Adapter tab and the Monitor tab gives a

Monitor type of Default Monitor and the Properties button is shown as

disabled (grayed out)

Then you will definately need to get the drivers for your video card and install them...

that should sort things out

Installed the Viaarena driver that Paul suggested and lo and behold, I now have Adapter and Monitor tabs in Settings/Advanced. Furthermore, plug n play now detects the Benq monitor.

I then installed the Q900W driver for the monitor but I still cannot get 1440x900 resolution. The resolution options are the same as before.

Any ideas as to what to try next?

I'm not sure there are a lot of options left. It would help if I could understand why the Openchrome driver has fixed dotclock values for that chip. Normally, video devices have programmable registers for all that stuff, programmable to multiples of 8 bits horizontally and multiples of 2 bits vertically (some manage to do horizontal down to the nearest bit). But the driver is all that you get as a user, and you cannot know what the real capabilities are, with only the control panel to go by. It doesn't seem to be a DAC limit, as there is one resolution above 1440x900 that is supported.

(It is possble, but I cannot make any guarantees, that you could convince Linux to run the screen at 1440x900. I'd try something like a Knoppix CD, as on the command line you could try "knoppix screen=1440x900". All that such an experiment would prove, is that the KM400 is not the limitation to achieving 1440x900.)

If Powerstrip worked with built-in video, there'd be another option. But for the most part, Powerstrip works with ATI or Nvidia add-in video cards. Chipset support is spotty, and I don't think VIA is included.

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1280x768 might be the closest resolution that is under the 1440x900 limit.

If you look in the monitor driver folder (on the CD) and open the INF with a text editor, you should see 1440x900 being added as a registry value. I'd just double check and see whether the Benq INF file has done that or not. It probably has.

The Viaarena site used to have a forum, and using a search engine, I can find references to such issues. But, for some reason, the forum was moved to "tkforums.com", and I don't understand the reason for that. That busted the ability for me to read the responses of people dealing with the issue. It means the people who posted hard fought information to viaarena, had it thrown away by uncaring admins. One of the reasons I hate private sites!

(Another example would be the Matrox forums, where if they wanted, they could have left the forum read-only, so anyone wanting the information could have access to it.)

Paul

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