

Re: Yet another "network cable unplugged" issue (w/DSL)

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Source:

http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2006-11/msg00302.html

- *From:* Lem <lemp40@xxxxxxxxxxxxx>
 - *Date:* Thu, 09 Nov 2006 15:36:56 -0500
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Lem wrote:

Chuck wrote:

Hm. I'll try it, but I'll be surprised. If he changed it, it lokoks EXACTLY the same as the one I had.

"Lem" wrote:

Chuck wrote:

Greetings, all. Here's my problem.
As my headline indicates, I have the NCU ish. Here's the twist.
I have ATT (formerly SBC) DSL service on two PCs, the main one in my basement office, and secondarily on my son's PC upstairs. We recently had a visit from ATT to fix a (major) DSL connectivity problem. I was not present, but my Mom-in-law said the tech told her we would need to reconnect the upstairs PC. OK, no big deal, I thought. I had installed it the first time out. Well, here we go. No matter what I do, the PC will not recognize the connection. I should mention that my main PC uses a 2wire 1000HW DSL modem, and the second one connects via HPNA with a 2wire PC Port USB connection. No troubles until now.
Installation instructions are followed to the letter. The PC Port is properly connected as indicated by its power light, as well as being connected to its phone line, which is in turn connected to the DSL filter which is plugged into the wall (whew!). This setup is as it always has been since first install. My

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firewall (Kerio) is set up to allow the connectivity. I THINK it actually connected ONCE for about two seconds, as indicated by the systray icon for my Desktop Weather :-). But that's it.

The only change since we first hooked up to DSL is that we have upgraded to the higher speed, but there was no connection problem in the 4–5 months since then. This should not necessitate a different kind of DSL filter, should it?
HELP!!

Your main mistake was to not be present when the ATT tech was there.

The following is based on educated guesses only, so take it with that in mind. I may be totally off base.

I'm not very familiar with HPNA, but it seems to me that in order for it to coexist with both DSL and regular telephone signals, it must operate in a frequency band that is separate from both. Thus, I would expect that the filters that you get from 2wire are 3–way filters rather than the usual hi–pass or lo–pass (I can never remember which) that are used to separate phone and DSL signals.

As I understand your setup, the network connection from your son's pc goes into your home telephone wiring via a 2wire USB–to–phone adapter and then through a (presumably, 2wire–supplied) filter. You don't say, however, how your main computer connects to the phone wires. If your 2wire gateway shares a phone jack with a telephone device, it also requires a filter. I suspect that the ATT tech replaced your original 2wire filter that went between your 2wire gateway and the wall jack with a standard DSL filter. This may block the HPNA signals to/from the other pc.

As a temporary test only, try removing any filter that is connected between your 2wire gateway and the wall jack. See if you now have connectivity with the second pc.

If this doesn't help, you will have to try to figure out what the ATT tech did to resolve your earlier problem and determine how that impacted your HPNA connection. Perhaps 2wire tech support can help.

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Lem MS MVP -- Networking

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of ROM.

http://en.wikipedia.org/wiki/Apollo_Guidance_Computer

Good luck. If the ATT tech installed a splitter next to the NID (see <http://www.homephonewiring.com/dsl.html>) then — assuming that there is a separate HPNA jack on the 2wire gateway — you will have to connect that to a wall jack OTHER than the one that has the DSL signal. See the second paragraph below.

From <http://www.homepna.org/support/faqs.asp#FAQ9>

How do I connect my HomePNA device if I have DSL splitters or filters?

In some DSL installations, filters, micro-filters or micro-splitters are provide for telephone devices. These filters, micro-filters, or micro-splitters should NOT be connected between the wall jack and HomePNA devices. Telephones should be plugged into the phone jack on the HomePNA devices. Some filters if plugged between the HomePNA device phone jack and the telephone may cause the HomePNA device to stop working.

In other DSL installations, a regular DSL splitter is installed outside of the home. That DSL splitter isolates the home telephone wiring from a seperate wire run to the DSL modem. In this situation, the regular telephone jacks should all be usable for the HomePNA network. The (seperate wire run) jack used by the DSL modem should not be used for a HomePNA device.

For more information, please see our Filters page

Well, I keep learning. According to <http://www.homepna.org/support/filters.asp> HPNA signals and DSL signals coexist at higher frequencies than voice signals. Thus, filters used to connect telephone devices are lo-pass, which means that they let the voice through and block the DSL/HPNA signals. According to this page, you should not have any filters on your HPNA connections. This is inconsistent with your description of how your son's PC is connected.

["The PC Port is properly connected as indicated by its power light, as well as being connected to its phone line, which is in turn connected to the DSL filter which is plugged into the wall"]

Assuming that what is connected to your USB PC Port is in fact a filter (and not a splitter) then it must be some special kind of filter and you really should try to get in touch with 2wire and see if they can help you straighten things out. Before you call them, you should make a pretty serious effort to figure out what the ATT tech did.

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