

# Re: Router install problem

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*Source:*

[http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network\\_web/2007-04/msg00163.html](http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2007-04/msg00163.html)

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- *From:* "PaulFXH" <[paulfxhackett@xxxxxxxxx](mailto:paulfxhackett@xxxxxxxxx)>
  - *Date:* 6 Apr 2007 07:02:22 -0700
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Hi Paul,

I only see one post from today and none from yesterday.

If you can't connect to the DI524 from your laptop, as I suggested, there are only a limited number of possibilities:

1. The cable is bad. This probably is not the case, assuming that you're using the same cable to connect the laptop to the DI524 that you used to connect the laptop to the Encore NIC in the main computer. If you have another cable, you might try that.
2. The NIC in the laptop is bad. This is not the case. You know the laptop's NIC works because you can get to the Internet when it's connected to the Encore NIC.
3. The laptop NIC is not configured to use DHCP or it is set to use a static IP OTHER than 192.168.0.2 to 192.168.0.254. This also is not likely to be the case because we know that the Encore NIC has an IP of 192.168.0.1 (coincidentally the same as the default IP address of the DI524), and we know that the laptop communicates with the Encore NIC.

To test, set the laptop to have a static IP of 192.168.0.2 and subnet mask 255.255.255.0. Before you do this, make sure you write down how the laptop's NIC is configured so you can restore it when this test is done. I suspect it is set to obtain an IP address automatically. You can leave default gateway blank at this time. Disconnect everything from the router except a cable from a LAN jack to the laptop. Enter 192.168.0.1 in a browser on the laptop. What happens?

4. The DI524 has been set to an IP address of something other than the 192.168.0.1 and is not resetting to 192.168.0.1 when the reset button is depressed. I suppose it's possible that Brazilian versions of the DI524 have a different default IP, but I doubt it. What happens if you open a command prompt on the laptop and type "ping 192.168.0.1" (without

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quotes) and press Enter?

5. Some portion of the DI524 is broken.

At this point, I'm leaning toward #5.

As a last resort, try the following:

With your system configured as it used to be, i.e., the laptop connected directly to the Encore card, and with Internet connectivity from the laptop confirmed, run `ipconfig /all` on the laptop and record the information. I suspect that the laptop's IP address will be 192.168.0.x, but I don't know if the default gateway will be 192.168.0.1 (which is what I think it ought to be) or 201.58.171.234 (or something else).

Disconnect the laptop and set its NIC to a static IP of 192.168.0.2 (actually, you can use anything other than .1, .100, or .254). Set the subnet mask to 255.255.255.0. Set the default gateway whatever it was when you had Internet connectivity through the Encore NIC.

Connect the router as in your first setup above (the desktop Encore 10/100 Mbps card to the LAN #1 on the DI524 and went from LAN #2 port to the laptop). You should not get the "conflicting IP address" error message this time. If you don't get Internet connectivity, try setting the default gateway to 201.58.171.234 if you had set it to 192.168.0.1.

Even if this works, however, if you are unable to access the DI524's configuration pages, you will be unable to properly configure its wireless settings. Although you may be able to connect wirelessly, your network will be completely vulnerable to outside attack, because it will be using the default SSID and no encryption.

Hi Lem

Still can't figure out what happened to my two posts from Wednesday. Presumably, they got as far as some server in trouble which proceeded to dump them. Oh well.

However, just when we thought things were starting to look a little hopeless, a faint light is now starting to emerge at the end of this long tunnel.

The test you suggested as a last resort above actually got me to the login page for D-Link configurations.

I used the following parameters for the static IP address config:

IP 192.168.0.2

Subnet mask 255.255.255.0

Default gateway 192.168.0.1 although I got to the D-Link page also when the default gateway was set to 201.58.171.234

Although this page was sitting there right in front of me inviting me to change the routers configuration, I felt it better to wait to hear

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from you before taking this bold step.

Before doing any of this on the laptop, I ran ipconfig/all at a DOS prompt and got the following:

Configuração de IP do Windows

Nome do host . . . . . : PAUL2  
Sufixo DNS primário. . . . . :  
Tipo de nó . . . . . : misto  
Roteamento de IP ativado . . . . . : não  
Proxy WINS ativado . . . . . : não  
Lista de pesquisa de sufixo DNS. . : mshome.net

Adaptador Ethernet Conexão local:

Sufixo DNS específico de conexão . : mshome.net  
Descrição . . . . . : Intel(R) PRO/100 VE  
Network Connec  
tion  
Endereço físico . . . . . : 00-18-FE-27-B5-9C  
DHCP ativado. . . . . : Sim  
Configuração automática ativada . . : Sim  
Endereço IP . . . . . : 192.168.0.132  
Máscara de sub-rede . . . . . : 255.255.255.0  
Gateway padrão. . . . . : 192.168.0.1  
Servidor DHCP . . . . . : 192.168.0.1  
Servidores DNS. . . . . : 192.168.0.1  
Concessão obtida. . . . . : sexta-feira, 6 de abril  
de 2007 09  
:23:48  
Concessão expira. . . . . : sexta-feira, 13 de abril  
de 2007 0  
9:23:48

I think the Portuguese here is readily translatable (possible exception is Node Type = Mixed where it says "Tipo de nó . . . . . : misto").

I do hope this means that perhaps we're now entering the home straight.

Thanks  
Paul

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Lem MS MVP -- Networking

To the moon and back with 64 Kbits of RAM and 512 Kbits of ROM.  
[http://en.wikipedia.org/wiki/Apollo\\_Guidance\\_Computer](http://en.wikipedia.org/wiki/Apollo_Guidance_Computer)

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