

Re: HELP... can't get it connected to my router for internet etc..

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.mediacenter/2006-06/msg00547.html>

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- *From:* "Gary Tsang" <[gtsangDELETE@xxxxxxxxxxxxx](mailto:gtsangDELETE@xxxxxxxxxxxxx)>
  - *Date:* Mon, 12 Jun 2006 03:22:53 -0400
- 

The default number of IPs that the WRT54GS will assign via DHCP is 50 (i.e. DHCP Clients). You can check this setting on the main page (<http://192.168.1.1/index.asp>) in the Network Address Server Settings (DHCP) section.

If replacing the cables doesn't work.. you might have a broken port on the router, or a busted network card on the computer.

--

Gary Tsang  
<http://www.gtsang.com>

Microsoft MVP – Windows XP Shell/User  
<http://www.microsoft.com/mvp>

"Chewyy" <[Chewyy@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Chewyy@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message <news:4F705E9C-8393-42DA-8056-3BD710C0D64E@xxxxxxxxxxxxxxxxxxxxx>

I have a Linksys WRT54GS router. If you have any idea how I would go about checking the range that would be extremely helpful...

I tried a different 5e cable but for some reason, when I tried two other cables (including a new one I just purchased) and plug them in the computer says network cable unplugged. The one cable when plugged in the lights in the ethernet plug light up, the new cable doesn't do that. I've unplugged both ends several times but it still does it.

"Doug Knox MS-MVP" wrote:

In your original post, you said:

"Now the other computers on my network

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all are set to obtain the IP  
automatically and they have  
IP  
Addresses of  
"192.168.1.101" then the  
next computer will be the  
same but 102 on  
the end.  
Then they have a Subnet  
Mask of "255.255.255.0"  
and a Default  
Gateway and  
DHCP Server of  
"192.168.1.1". When I  
manually configure the  
network"

This indicates that the DHCP server in your router is working. The computer that is getting 169.254.8.143 is not talking to your router effectively.

In addition to the possibility of a bad cable, or adapter, you might have inadvertently set up your router for a limited range of IP address assignments. Without knowing the specific model, I can't tell you where to look. For a D-LINK router, it would be under the Home, DHCP settings, Starting and ending IP address. If you set this for a range of 4 devices, 192.168.1.2 to 192.168.1.5, and tried to connect a fifth device, it wouldn't be able to obtain an IP address.

---  
Doug Knox, MS-MVP Windows Media Center\Windows Powered Smart  
Display\Security  
Win 95/98/Me/XP Tweaks and Fixes  
<http://www.dougknox.com>

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Per user Group Policy Restrictions for XP Home and XP Pro  
[http://www.dougknox.com/xp/utls/xp\\_securityconsole.htm](http://www.dougknox.com/xp/utls/xp_securityconsole.htm)  
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Please reply only to the newsgroup so all may benefit.  
Unsolicited e-mail is not answered.

"Chewyy" <Chewyy@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
[news:5122F590-0355-4D7A-B588-134286A3D899@xxxxxxxxxxxxxxxxxxxx](mailto:news:5122F590-0355-4D7A-B588-134286A3D899@xxxxxxxxxxxxxxxxxxxx)

Thanks to both of you that replied. Doug, the 169 range IP is  
what all  
my  
computers have... does this mean I don't have a DHCP  
server? Is this  
something that I set up wrong?

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I will try your advice tonight or tomorrow and hopefully won't have to repost after that... hopefully! :)

"Doug Knox MS-MVP" wrote:

It sounds like you have a defective CAT 5 cable, or possibly the NIC in the new computer. The IP address range of 169.xxx.xxx.xxx is what you'll get when there is no DHCP server, such as your router available. Either try connecting with a different CAT 5 cable, or if you have a spare wireless adapter that will work with the laptop, use it.

---

Doug Knox, MS-MVP Windows Media Center\Windows Powered Smart Display\Security Win 95/98/Me/XP Tweaks and Fixes <http://www.dougknox.com>

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Unsolicited e-mail is not answered.

"Gene E. Bloch"  
<spamfree@xxxxxxxxxxxxxxxx> wrote in message  
[news:mn.53ff7d66ed601424.1980@xxxxxxxxxxxxxxxx](mailto:news:mn.53ff7d66ed601424.1980@xxxxxxxxxxxxxxxx)

On 6/10/2006, Chewyy posted this:

Hi, I'm new here and looking for help. I have two computers (one desktop and

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one laptop)  
and two  
Tivo's on a  
home  
network  
with a  
Linksys G  
router. THE  
laptop and  
Tivo's use  
the wireless  
part and the  
desktop is  
plugged  
in via a  
CAT5 cable  
from the  
router. I just  
got another  
desktop for  
me (the  
other is  
my wifes).  
This new  
computer  
has  
Windows  
XP with  
media  
center  
software (I  
think  
version  
2002 but  
HP says it's  
2005... ). I  
plugged the  
new  
computer  
into the  
router but I  
can't  
seem to get  
it to hook  
up to the  
network  
properly so  
I can get  
internet and  
file share  
etc. I've

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done the  
setup  
wizard and  
tried  
numerous  
other  
proceedures  
from help  
faq's as well  
as  
others but I  
can't seem  
to connect  
properly. It  
says it's  
connected  
but says  
"This  
connection  
has limited  
or no  
conectivity.  
You might  
not be  
able to  
acsss the  
Internet or  
some  
network  
resources...".  
Now when I  
leave  
the  
"Internet  
Protocal  
(TCP/IP) to  
"Obtain an  
IP address  
automatically"  
it gives  
me the  
conctivity  
message  
above and  
assigns an  
IP Address  
of  
"169.254.8.143"  
and a  
Subnet  
Mask of

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"255.255.0.0".  
Now the  
other  
computers  
on my  
network  
all are set to  
obtain the  
IP  
automatically  
and they  
have IP  
Addresses  
of  
"192.168.1.101"  
then the  
next  
computer  
will be the  
same but  
102 on  
the end.  
Then they  
have a  
Subnet  
Mask of  
"255.255.255.0"  
and a  
Default  
Gateway  
and  
DHCP  
Server of  
"192.168.1.1".  
When I  
manually  
configure  
the  
network  
connections  
IP Address  
and Subnet  
Mask to  
match the  
other  
computers  
(adding  
one to the  
last number  
on the IP  
Address) it

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doesn't  
connect at  
all. I can't  
figure this  
out and it's  
driving me  
crazy. I  
would  
dearly  
appreciate  
your  
help in this.  
Is there  
something I  
need to do  
on the main  
computer  
or am I  
missing  
something  
on the new  
computer?  
Do I need to  
change the  
"channel"  
of  
the network  
card and  
how do I do  
that and  
how do I  
check my  
other  
computer to  
see what  
channel  
they are on?  
I've tried  
everything I  
can to get it  
to work,  
including  
all kinds of  
stuff I've  
found on  
HP's  
website and  
Microsoft's  
website but  
nothing  
seems to

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work. I  
could really  
use some  
help if  
anyone  
can help me  
get this to  
work. I  
really really  
need to get  
this  
connected  
so  
I can use  
my internet  
connection.  
Also, do I  
need to do  
anything  
on the  
main  
computer to  
get it to  
recognize  
the new  
computer or  
should I just  
be able to  
hook up the  
new  
computer  
and set it up  
from there?  
HP said  
something  
about  
maybe  
needing and  
"extender"???  
what is this  
and would  
it help? I  
really  
need help,  
Looking  
forward to  
hearing  
from you.  
Tom.

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What you are doing in assigning IP addresses looks good to me. The DHCP is weird, as you say, but your manual choice of 192.168.1.103 or whatever and 255.255.255.0 looks good.

At this point I suspect a firewall on the new computer is blocking your connection. I assume Windows Firewall is on by default, but configured wrong. It is also possible that settings on your router are blocking the new computer.

Besides that, there are always ways hidden in the network setup panels to screw you up, of course, and I have no ideas beyond the firewall.

Do you know how to ping? Open a command (DOS, formerly) window and type ping 192.168.1.101 or similar. You should see four successful connects with times of a millisecond or two, but probably won't.

I would start on a 'good' computer, ping its own address as well as 127.0.0.1 (which means "me") and look. Then ping 192.168.1.1 (the router), then the other good computer, then the bad one.

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Repeat on  
each  
computer in turn. Try it on  
the bad one even if the  
others couldn't  
ping it.

Also in the command  
window, try the command  
ipconfig /all which will  
tell you some mysterious  
things, including, if you're  
lucky, the  
"Physical address" – looks  
like an IP address with six  
pairs of  
number  
in hex – this might help you  
get the router to allow your  
new box  
(but  
I doubt it – it's usually only  
required for wireless). It's  
also  
called  
MAC address (Media  
Access Control, not the  
computer from  
Cupertino!).

Pretty random remarks; I  
hope they're useful.

--

Gene E. Bloch (Gino)  
letters617blochg3251  
(replace the numbers by "at"  
and "dotcom")