

## Re: Linksys NAS200 Network Storage adapter

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*Source:*

[http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network\\_web/2007-11/msg00332.html](http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2007-11/msg00332.html)

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- *From:* Lem <[lemp40@xxxxxxxxxxxxx](mailto:lemp40@xxxxxxxxxxxxx)>
  - *Date:* Mon, 19 Nov 2007 19:00:16 -0500
- 

The only two wireless network settings that are of any consequence (as far as individual computers are concerned) are the SSID and the encryption method and password. You can write these down on a piece of paper. The only other thing that you might have to ensure is that the network adapter is set to obtain its IP address and DNS server address automatically -- but that's the default setting. See [http://screenshots.modemhelp.net/screenshots/Windows\\_XP/Network\\_Connections/Wireless\\_Network\\_Connection/Pr](http://screenshots.modemhelp.net/screenshots/Windows_XP/Network_Connections/Wireless_Network_Connection/Pr)

If you want to automate things, however, you can use the WinXP Wireless Network Setup Wizard (although I generally prefer to set things up manually rather than use a "wizard"). See <http://technet.microsoft.com/en-us/library/bb878069.aspx>  
<http://www.microsoft.com/windowsxp/using/networking/setup/connectnow.mspx>

The Wizard lets you pick an SSID (network name), the level of encryption you want to use, and the encryption password (it will also automatically create a strong password if you like). I haven't used this wizard, so I don't know if it's been updated to permit the choice of WPA2 encryption. The Wizard makes these settings on the computer on which you are running the Wizard, and then either prints out the info (set up a network manually) or saves them as XML files on a USB flash drive. You can then plug the USB flash drive into other computers running WinXP sp2 and they will automatically be set up with your chosen network parameters.

The catch is that many routers (including the WRT54G) do NOT have a USB port and are not compatible with "Windows Connect Now." Thus, you won't be able to use the flash drive to configure the router. However, either click the "Print Network Settings" button on the final screen of the Wizard or simply access the appropriate XML file and get at them that way and then use the information to configure the router manually as I explained earlier.

Once you're done, put the flash drive away in a secure location (it does, after all, have your wireless network password on it).

Completely separately from all of the above, you can save the \*router's\* configuration (for the next time you have to reset it to factory defaults) by going to the router's Administration > Config Management page.

Have a happy Thanksgiving.

Richard In Va. wrote:

Hello Lem, Wow, ask and thou shall receive!

Re: Linksys NAS200 Network Storage adapter

Thanks for all good information here. I guess I had always run on the old adage that if it works, don't mess with it. But then I knew the day would come that I'd havta do something about it. Right now, all I have is the DSL modem > wireless broadband router > Ethernet card in my PC. I have no other network or wireless devices. The wireless part is only used when brother or sister visit with their laptops maybe once or twice a year.

(guess which one gave it to me for xmas)

Everything you suggest in your reply certainly makes good sense to me. With the holidays upon us, I might wait till after Thanksgiving to reset the wireless router in case I need to get ahold of linksys tech support. During the initial install or anytime afterwards, I have never had access to the router config web page, kindof weird.

Either that or I'm just missing things here.

As you suggest, I'll leave the firmware alone, at least I know about it if the problem comes up later.

Again, thanks for the information AND instruction, but more so, thank you for your time!

I'll post back my results, who knows, I might get impatient and do this during the Thanksgiving break, but if something goes wrong I won't have internet access.

btw, is there a way to backup/save my settings in XP network connections?

Richard in VA.  
+++++

"Lem" <lemp40@xxxxxxxxxxx> wrote in message  
[news:OPTPqYIKIHA.5788@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OPTPqYIKIHA.5788@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

I've never used any of those automated setup tools, and so I don't know what exactly they do or when they might be useful and when not.

I suggest NOT messing around with a firmware update. The WRT54G v.5 works with DynDNS and TZO out of the box. With respect to the WRT54G, version numbers such as 4.0, 5.0 and 6.0 refer to the \*hardware\* and not to firmware. The most recent firmware update for WRT54G versions 5 and 6 is 1.02.2 7/02/2007. This firmware is \*only\* compatible with these two hardware versions of the WRT54G.

Reviewing the firmware change log, I see that the only change relevant to using DynDNS with is version 1.00.2 (9 or 10 revisions ago; unfortunately, revision dates aren't given). The notes say that this change "Resolves issue

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with DynDNS abusive updates," so if you will be using DynDNS, you ought to ensure that you have this or more recent firmware.

In any event, you should regain access to the router's configuration utility. Among other things, you really should be using WPA or WPA2 encryption. WEP encryption can be cracked using easily-available tools in less than 5 minutes.

The default method for gaining access is to leave the User name blank and to use "admin" (all lower case) for the password. If this doesn't work, you will have to reset to factory defaults. To do so, press and hold the reset button for about 10 seconds.

If you reset the router you will have to do the following things, all of which can be done manually, if you think that you'll have difficulty using the "Secure EZ Setup" button and the Setup Wizard CD-ROM (and, of course, this method *\*only\** works if all of the other wireless devices are compatible with the Linksys "Secure EZ Setup" -- and not all are). Read Chapter 3 of the User Guide, which should be on the CD or can be downloaded from Linksys.

1. You will have configure the way that the router connects to your ISP. If you have cable, your ISP *\*probably\** supplies you with an IP automatically with DHCP. The default configuration of the WRT54G is to use this. If you have DSL, your ISP probably uses PPPoE, which requires you to log in to your ISP (usually) using your email address and email password. You'll have to enable this mode and same this info in the router. There are a couple of other relevant options for PPPoE explained in the User Guide. If you don't know how to connect to your ISP without a router (that is, directly to your cable or DSL modem), call your ISP or check their technical support website.

2. In "Network Setup," you should set your time zone and the DDNS selection (which was the main reason for this exercise). You can leave the rest of this section at default values.

3. In the "Wireless" section, you should select the mode (G-only, B-only, or mixed). If all of your wireless devices are 802.11G, you should use G-only rather than mixed. Pick a unique SSID, but don't use your name or address. Do NOT disable SSID broadcast. If you haven't experienced any interference from nearby wireless networks or other electronic devices, leave the channel at the default. If you have problems on channel 6, try 1 or 11. These are the only 3 channels you should use. For encryption, use WPA2-Personal if all your other wireless devices support it; otherwise, use WPA-Personal. If you have any wireless devices that only support WEP, I strongly advise updating or replacing them. Similarly, select AES as the encryption algorithm, if all of your other devices support this (most should).

Everything else can be left at default.

Richard in Va. wrote:

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Thanks Lem, mine is a Linksys WRT54G v5 and I see Linksys has a firmware "v6" available.

But while we're on this subject, let me ask a question I had been saving for a phone call the Linksys Tech Support. Maybe one of you might have a good answer to offer.

I got my WRT54G for xmas a few years ago, the install/setup CD failed to configure everything. So I disconnected the router and went to Linksys.com and downloaded a utility that they claimed would fix everything and it did, for the most part anyway. It configured my network and everything "works" but I have lost access the routers setup web page. My password and/or username does not work. I've never really had any concerns with this because it "just works". I have tho been afraid to push the reset button on the router because I think that will reset everything back to factory default putting me right back to where I started in the first place.

I suppose my security is ok and I don't notice any network traffic that is not me, but my neighbors across the street have been asking me for my wep key (small town, nice people and their just kidding) !

The other night I did find a new utility at Linksys.com that when installed, claims to map my network devices and says it will fix problems and such, the utility is called "EasyLinkAdvisor" (~21MB).

I have run netconfig/all and it really doesn't tell me much.

I do notice that the TCP/IP properties of my PC network connection is set to...

Under General Tab

- Obtain and IP address automatically
- Obtain a DNS server address automatically

Under Alternate Configuration Tab

- Automatic private IP address

SO, what can I expect to have happen if I press the reset button on the router?

Thanks so much!

Richard in VA.

+++++

Re: Linksys NAS200 Network Storage adapter

"Lem" <lemp40@xxxxxxxxxxxx> wrote in message  
[news:OB3zjlhKIHA.6008@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OB3zjlhKIHA.6008@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Richard in Va. wrote:

Thanks again Jack... !

Thanks also for the heads-up about the Windows Home Server (WHS) or a Media Server w/WHS installed as a possible option/solution. I've read thru some of the MS web site on that product and it appears to do everything a NAS will do plus other cool features, such as, with an xbox360 with the wireless adapter, I can stream my video/pics to my TV for family viewing. A bowl of popcorn and we're set!

Looks like people are making add-ons for the WHS to add even more stuff to do, like a Download Manager or a web page builder, lots of stuff to look at and consider here too!

The difference in \$\$ between the two would compare with one, ok maybe 2 trips to Wal-Mart, those folks won't let me out the door till I spend at least \$150.

So I guess I'll check to see if my Linksys WRT54G wireless broadband router can keep a DNS service updated. Then call my ISP and inquire about a static IP as well as to see if they block certain ports for the service plan I have.

(joke for the day)

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I was mowing my lawn last week when the neighbors cat ran out in from of me. I wound up cutting his tail off, so I gathered the cat in one arm and picked up his tail then carried them down to Wal-Mart.

You might ask: Why Wal-Mart?

Answer: Wal-Mart is the largest Re-Tailer in the world aren't they?

Thanks Jack!

Richard in VA.

+++++

"Jack (MVP-Networking)."

<jack@xxxxxxxxxxxxxxxxxxxx>

wrote in message

[news:egc2qzZKIHA.3400@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:egc2qzZKIHA.3400@xxxxxxxxxxxxxxxxxxxxxxxx)

Hi  
Some  
Routers can  
keep certain  
DNS  
services On.  
Otherwise a  
PC needs to  
run in order  
to update  
the DNS  
service.  
If your  
Router can  
keep the  
DNS  
updated, or  
you get a  
Static IP,  
then the  
Modem, the  
Router, and  
the NAS  
stays On,  
and all

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computers  
can be Off.  
I personally  
do not like  
any of the  
Entry level  
NAS. I keep  
a simple  
computer,  
mini case,  
with  
mATX/onboard  
graphic  
motherboard,  
running  
Celeron  
1GHz,  
512MB  
RAM,  
320GB HD,  
using  
Windows  
2000 as  
NAS and  
Http/ftp  
servers. The  
computer  
keeps a free  
DNS  
service  
updated.  
Since it  
takes only  
70 watts  
when  
working,  
and less  
when in  
standby, it  
is Not a  
terrible  
electrical  
expense. I  
have  
already an  
experimental  
Windows  
Home  
Server  
(WHS)  
configured

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with  
embedded  
free DNS  
provided by  
Microsoft  
with WHS.  
The address  
is nice too,  
yourname.homeserver.com  
Jack  
(MVP–Networking).

"Richard in  
Va."  
<reaton@xxxxxxx>  
wrote in  
message  
[news:%23JkEOGZKIHA.5328@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23JkEOGZKIHA.5328@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Thank  
you  
Jack  
for  
your  
extended  
input  
here.  
It  
helps  
alot!  
So  
I  
either  
obtain  
a  
static  
IP  
from  
my  
ISP  
or  
use  
a  
free  
or  
inexpensive  
DNS  
service.

Use  
the

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static  
IP  
from  
my  
ISP  
as  
my  
"web  
address",  
enable  
port  
forwarding  
in  
the  
router  
set  
to  
forward  
to  
the  
IP  
address  
of  
the  
NAS  
which  
has  
a  
static  
IP.

Good!  
At  
least  
I  
have  
a  
much  
better  
idea  
of  
what  
I'm  
getting  
into  
BEFORE  
I  
buy  
the  
NAS  
and

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the  
HD  
to  
put  
in  
it.

I  
guess  
I'll  
call  
my  
ISP  
and  
bicker  
for  
a  
static  
IP,  
I  
call  
them  
every  
year  
or  
so  
anyway  
and  
"encourage"  
them  
to  
give  
me  
a  
better  
deal,  
sometimes  
they  
double  
my  
DSL  
bandwidth  
for  
just  
a  
few  
\$,  
sometimes  
they  
knock  
\$10+/-

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off  
my  
bill.  
Gotta  
stay  
on  
those  
people  
cuz  
you  
won't  
get  
anything  
if  
you  
never  
ask!

One  
thing  
tho,  
The  
Linksys  
NAS200  
is  
independent  
of  
a  
PC,  
meaning  
others  
can  
access  
the  
NAS  
over  
the  
internet  
even  
when  
my  
PC  
is  
turned  
off.  
If  
I  
go  
with  
a  
DNS

Re: Linksys NAS200 Network Storage adapter

service,  
will  
that  
require  
my  
PC  
to  
be  
turned  
on  
to  
make  
the  
NAS  
accessible  
to  
others  
over  
the  
internet  
??

The  
way  
I  
understand  
it,  
the  
DNS  
service  
installs/runs  
a  
service  
on  
my  
PC  
that  
tags  
my  
ISP  
every  
once  
in  
a  
while,  
when  
it  
detects  
that  
the  
ISP

Re: Linksys NAS200 Network Storage adapter

has  
assigned  
a  
new  
IP  
to  
me,  
it  
informs  
the  
DNS  
network  
to  
redirect  
my  
incoming  
traffic  
to  
the  
new  
IP.  
If  
true,  
I'd  
have  
to  
leave  
my  
PC  
on  
to  
keep  
things  
going.

Once  
again,  
thanks  
for  
the  
[ezlan.net](http://ezlan.net)  
link,  
LOTS  
of  
good  
stuff  
to  
read...  
I'll  
be  
in

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there  
for  
awhile!

Best  
regards,

Richard  
in  
VA.  
+++++

"Jack  
(MVP-Networking)."  
<jack@xxxxxxxxxxxxxxxxxxxx>  
wrote  
in  
message  
news:utOG9OWKIHA.4228@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hi  
You  
are  
getting  
there.  
Port  
80  
is  
for  
HTTP,  
FTP  
usually  
uses  
port  
21.  
Let  
assume  
that  
you  
have  
a  
regular  
HTTP  
web  
site  
on  
the  
NAS  
using  
port

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80.  
You  
log  
to  
the  
Router  
and  
you  
ser  
it  
to  
forward  
port  
80  
toward  
the  
NAS  
(Notice  
that  
the  
Router  
can  
open  
a  
port  
only  
toward  
one  
internal  
IP).  
If  
(example  
)  
your  
NAS'  
IP  
192.168.1.10  
you  
open  
port  
80  
toward  
this  
IP.  
  
Let  
say  
that  
your  
external  
Internet

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IP  
is  
60.40.2.3.,  
or  
you  
use  
DNS  
service  
that  
point  
to  
your  
computer  
as  
myserver.DNSservice.com.

Some  
one  
on  
the  
Internet  
types  
into  
their  
browser  
60.40.2.2,  
or  
myserver.DNSservice.com,  
it  
goes  
to  
your  
Router,  
since  
the  
Router  
was  
told  
to  
Route  
(forward)  
traffic  
coming  
on  
port  
80  
toward  
192.168.1.10  
it  
would  
go



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anyone  
on  
the  
internet  
that  
types  
the  
IP  
of  
the  
NAS  
into  
the  
browser  
address  
bar  
will  
have  
access  
to  
my  
storage  
drive  
provided  
I  
give  
them  
a  
password?

Is  
this  
correct?

Thanks  
for  
the  
link  
to  
<http://www.ezlan.net:80/myip.html>  
I've  
read  
thru  
some  
of  
this  
and  
I  
guess  
I'm  
still

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alittle  
confused,  
maybe  
I  
should  
read  
some  
more...

When  
I  
saw  
the  
NAS200  
at  
linksys.com  
and  
read  
thru  
all  
the  
features  
and  
benefits,  
towards  
the  
end  
I  
found  
the  
"fine  
print"  
about  
needing  
the  
TZO  
DNS  
Dynamic  
DNS  
service  
required  
to  
do  
basic  
file  
shares  
between  
remote  
PC's  
along  
with

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a  
1-year  
"free"  
offer  
for  
the  
service.  
I  
really  
don't  
want  
another  
monthly  
\$\$  
service  
just  
to  
do  
a  
few  
file  
shares  
over  
the  
internet.

Richard  
in  
VA  
+++++

The  
NAS200  
offers  
"Jack  
(MVP-Networking)."  
<jack@xxxxxxxxxxxxxxxxxxxx>  
wrote  
in  
message  
[news:eWzperIKIHA.748@xxxxxxxxxxxxxxxx](mailto:news:eWzperIKIHA.748@xxxxxxxxxxxxxxxx)

Hi  
You  
are  
mixing  
few  
issues  
that  
are  
somewhat

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independent.  
Main  
use  
of  
NAS  
is  
the  
storage  
File  
for  
your  
private  
Network.  
Some  
NAS'  
provide  
also  
the  
capacity  
to  
configure  
an  
ftp  
server.  
Connecting  
to  
any  
device  
on  
a  
private  
LAN  
through  
the  
Internet  
is  
done  
similarly  
and  
there  
are  
few  
options.  
Static  
IP  
makes  
it  
easy  
to  
be  
found

Re: Linksys NAS200 Network Storage adapter

on  
the  
Internet,  
but  
does  
not  
resolve  
the  
issue  
of  
Routing  
the  
traffic  
to  
the  
NAS.  
The  
Routing  
pass  
your  
Internet  
Router  
is  
based  
on  
Port  
Opening  
toward  
your  
NAS'  
ftp  
server.  
In  
order  
to  
work  
well  
the  
NAS  
must  
have  
Static  
IP,  
otherwise  
the  
port  
opening  
might  
get  
confused  
and

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the  
traffic  
would  
not  
reach  
the  
NAS  
Almost  
all  
NAS'  
you  
set  
the  
IP  
to  
whatever  
is  
needed  
to  
fit  
to  
your  
current  
IP  
subnet  
scheme.  
These  
two  
page  
where  
written  
for  
another  
devices  
but  
the  
principle  
is  
exactly  
the  
same  
for  
NAS.  
This  
page  
concerns  
the  
connection  
through  
the  
Internet,

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<http://www.ezlan.net/myip.html>

The  
second  
half  
of  
this  
page  
show  
the  
idea  
of  
internal  
Routing  
from  
the  
Internet  
to  
the  
Device,  
<http://www.ezlan.net/vnc.html>  
Jack  
(MVP–Networking).

"Richard  
in  
Va."  
<reaton@xxxxxxx>  
wrote  
in  
message  
[news:eIgURq\\$JIHA.4808@xxxxxxx](news:eIgURq$JIHA.4808@xxxxxxx)

Does  
anyone  
know  
anything  
about  
the  
Linksys  
NAS200  
Network  
Storage  
adapter?  
I'm  
using  
WinXP–Home  
with  
a  
Linksys  
WRT54G

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v5  
Wireless  
DSL  
Broadband  
Router.

The  
storage  
adapter  
holds  
(2)  
SATA  
drives,  
I  
understand  
other  
remote  
PC's  
can  
access  
this  
via  
web  
browser  
or  
ftp  
using  
passwords.  
Supposedly,  
other  
users  
can  
upload  
and/or  
download  
files  
to  
and  
from  
the  
storage  
adapter  
based  
on  
permissions  
I  
set  
up  
for  
them.

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Is  
there  
anything  
else  
\$\$  
needed  
to  
accomplish  
this?

Is  
the  
TZO  
DNS  
Dynamic  
DNS  
service  
required  
to  
do  
basic  
file  
shares  
between  
remote  
PC's?

The  
TZO  
software  
is  
embedded  
in  
the  
NAS200.

Is  
this  
really  
needed?

Thanks  
for  
any  
advice!

Richard  
in  
VA.

+++++

Re: Linksys NAS200 Network Storage adapter

FYI, the WRT54G (as long as it's reasonably recent) will automatically work with DynDNS or TZO. Get to the admin web pages and go to Setup > DDNS.

--  
Lem -- MS-MVP - Networking

To the moon and back with 2K words of RAM and 36K words of ROM.  
[http://en.wikipedia.org/wiki/Apollo\\_Guidance\\_Computer](http://en.wikipedia.org/wiki/Apollo_Guidance_Computer)  
<http://history.nasa.gov/afj/compassay.htm>

--  
Lem -- MS-MVP - Networking

To the moon and back with 2K words of RAM and 36K words of ROM.  
[http://en.wikipedia.org/wiki/Apollo\\_Guidance\\_Computer](http://en.wikipedia.org/wiki/Apollo_Guidance_Computer)  
<http://history.nasa.gov/afj/compassay.htm>

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Lem -- MS-MVP - Networking

To the moon and back with 2K words of RAM and 36K words of ROM.  
[http://en.wikipedia.org/wiki/Apollo\\_Guidance\\_Computer](http://en.wikipedia.org/wiki/Apollo_Guidance_Computer)  
<http://history.nasa.gov/afj/compassay.htm>

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