



## WR600NSI Portable Wireless-N Repeater

### Quick Start Guide

#### Minimum System Requirements

Any operating system can be used

Web Browser

233MHz processor

Ethernet network adapter

#### Package Contents

Any operating system can be used

Web Browser

233MHz processor (or higher)

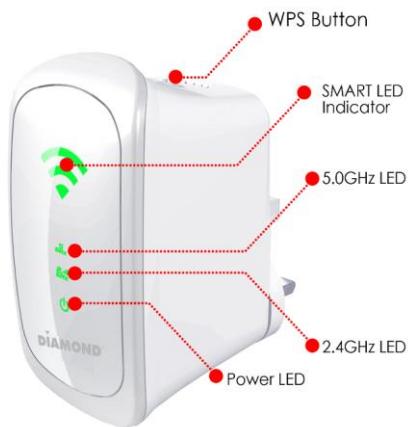
Ethernet network adapter

Or Wireless network adapter

Wireless router or AP

***The Resource CD (documentation only, contains no applications and all configurations are performed from the WR600NSI's built in web based configuration page)***

## Device Overview



LABEL	STATE	DESCRIPTION
<b>SMART LED Indicator</b>		
3 BARS	Connected	95% and above (Excellent)
2 BARS	Connected	55-94% (Recommended)
1 BAR	Connected	10-54% (Weak)

LABEL	STATE	DESCRIPTION
2.4GHz	OFF	No Wireless Device is connected.
	Blinking	A Wireless Device is connected and is actively transmitting / receiving data
5.0GHz	OFF	No Wireless Device is connected.
	Blinking	A Wireless Device is connected and is actively transmitting / receiving data
Power LED	ON	WR600NSI is Plugged to a working Power Outlet

## Configuring the Repeater

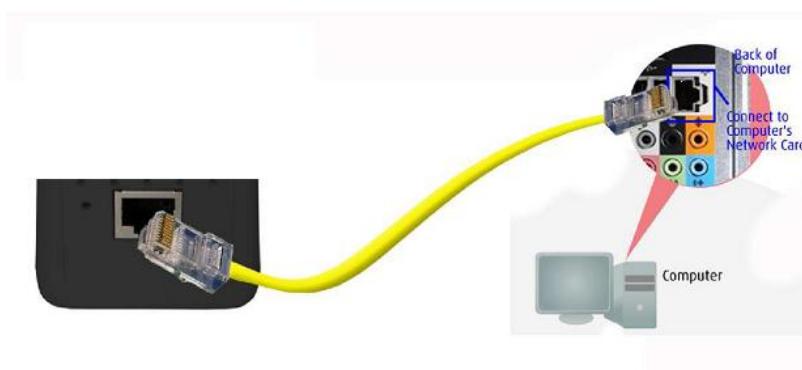
Setting up the device is easy. Follow the steps below to configure the device for your current wireless router/AP. Ensure to disable the wireless connection on the PC or laptop used for configuring the WR600NSI. Please note the WR600NSI will automatically detect your existing wireless channel encryption and security type do not change this

To configure your device via the Web GUI:

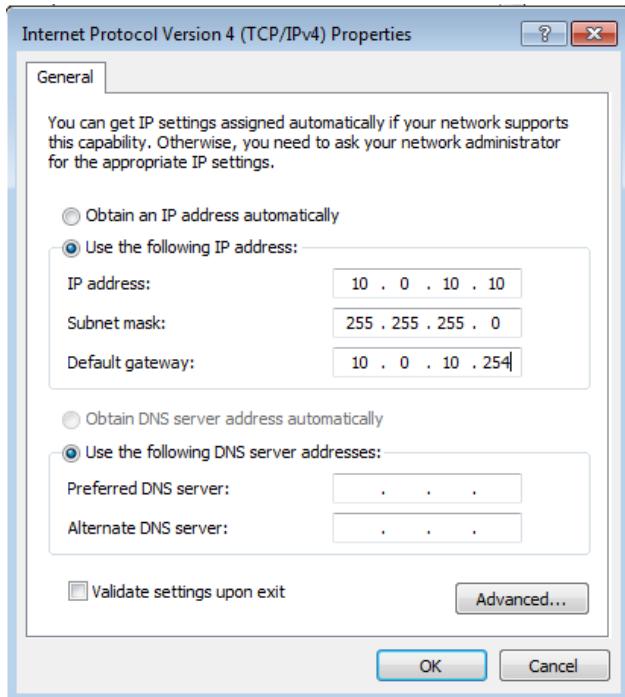
1. Connect the WR600NSI to a power outlet.



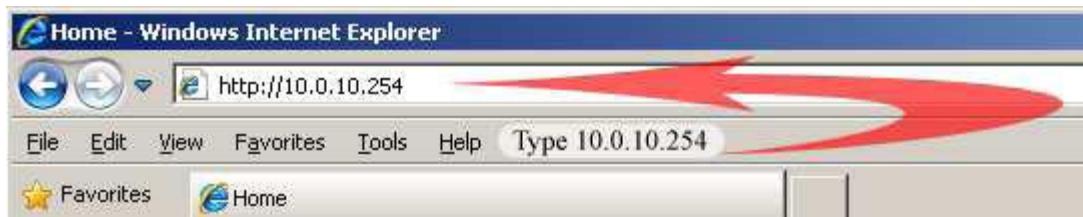
2. Connect an Ethernet cable from your PC's Ethernet port at the base of the the WR600NSI.



3. Once a connection to the WR600NSI is established, your PC/laptop will receive an IP address automatically and you will be able to access the configuration page using the web graphical user interface. Note: if you do not get the web graphic user interface. Please manually set your TCP/IP setting for your Ethernet network card to 10.0.10.10. Subnet mask 255.255.255.0 and default gateway to 10.0.10.254



4. To access the web GUI, Launch your web browser and input 10.0.10.254 on the address bar.

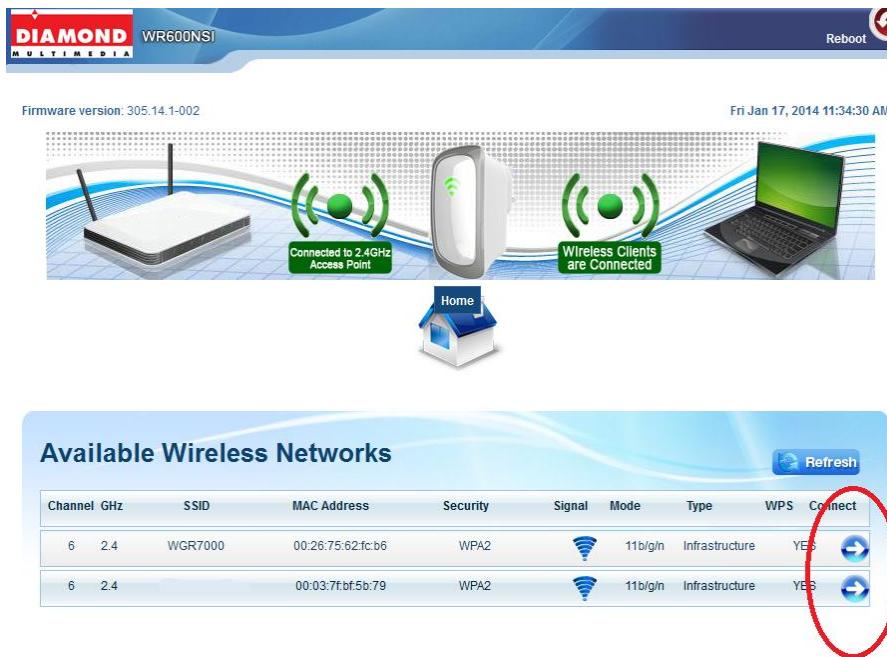


5. You will now see the Quick Configuration screen below, click



NOTE: If you are connecting to a hidden wireless network, you need to go through the Manual Setup to key-in the information from your existing wireless router/AP manually

6. Click the connect button that corresponds to the network you want to connect



7. Enter the correct Wireless Password of the preferred network then click the Apply button.



### Setup for WR600NSI

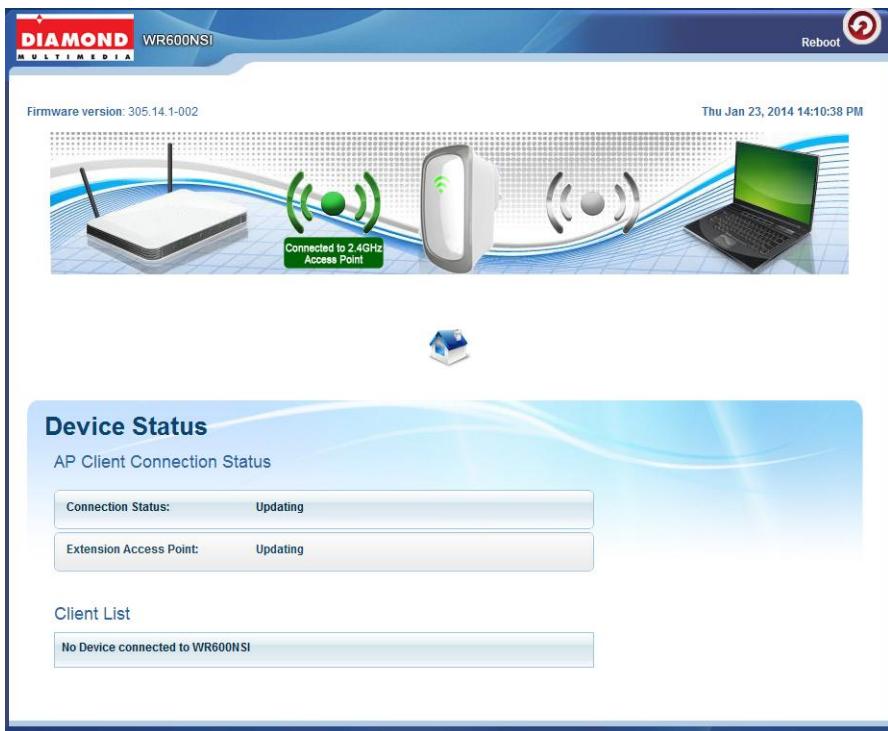
2.4 GHz    5.0 GHz

SSID:	WGR7000
MAC Address:	00:26:75:62:fc:b6
Broadcast SSID:	<input checked="" type="button"/> ENABLED <input type="button"/> DISABLED
Security Mode:	WPA2 PSK
WPA Passphrase:	<input type="text"/> <input type="checkbox"/> Mask
WPA Encryption:	<input checked="" type="button"/> TKIP <input type="button"/> AES
Channel:	2437MHz (Channel 6)

Apply

The screenshot shows the configuration page for the WR600NSI. It includes tabs for '2.4 GHz' and '5.0 GHz'. The main configuration section contains fields for SSID (WGR7000), MAC Address (00:26:75:62:fc:b6), Broadcast SSID (set to ENABLED), Security Mode (WPA2 PSK), WPA Passphrase (with a red circle around the input field), WPA Encryption (set to TKIP), and Channel (2437MHz). The 'Apply' button at the bottom left is also circled in red.

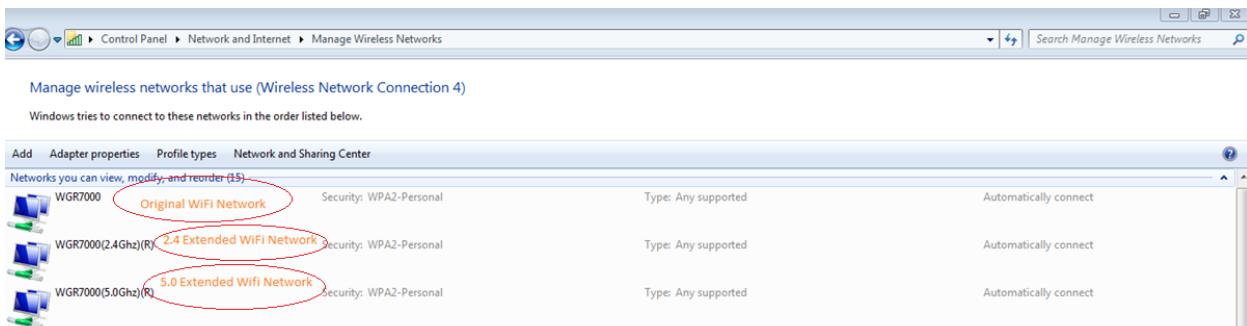
8. Please wait for the repeater to finish initializing its connection. Your WR600NSI would reboot upon successful connection displaying the status depending on the frequency band (2.4GHz or 5.0GHz) of the wireless network you connected to:



9. Close the web browser and power down the WR600NSI by unplugging the device from the wall plug. Now, Plug the WR600NSI back to a power outlet at the identified location. Note: it is always best to place the repeater half way between your dead spot and your original wireless router.

10 You may now use your wireless devices such as laptops, smart phones, etc. with the Repeater.

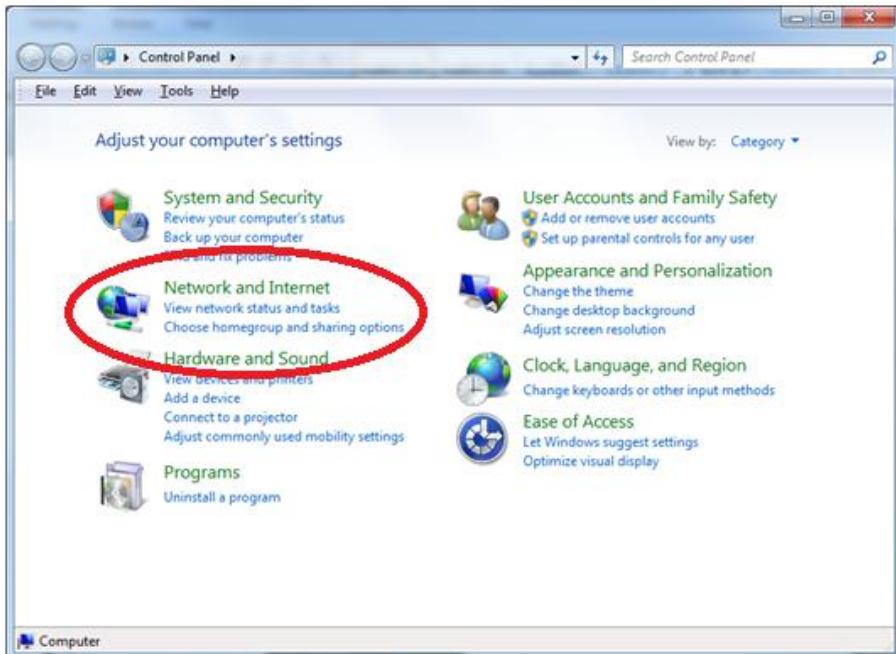
Note: Your original WiFi SSID will remain the same as it did before. In addition you will notice up to two more SSID's. Each will have one for 2.4Ghz and 5.0Ghz. In the example below the original SSID is WGR7000. If your smart phone, computer or Tablet supports dual band you will see an option to select WGR7000(2.4Ghz) and WGR7000(5.0Ghz). If your device only supports single band you will only see the WGR7000(2.4Ghz).



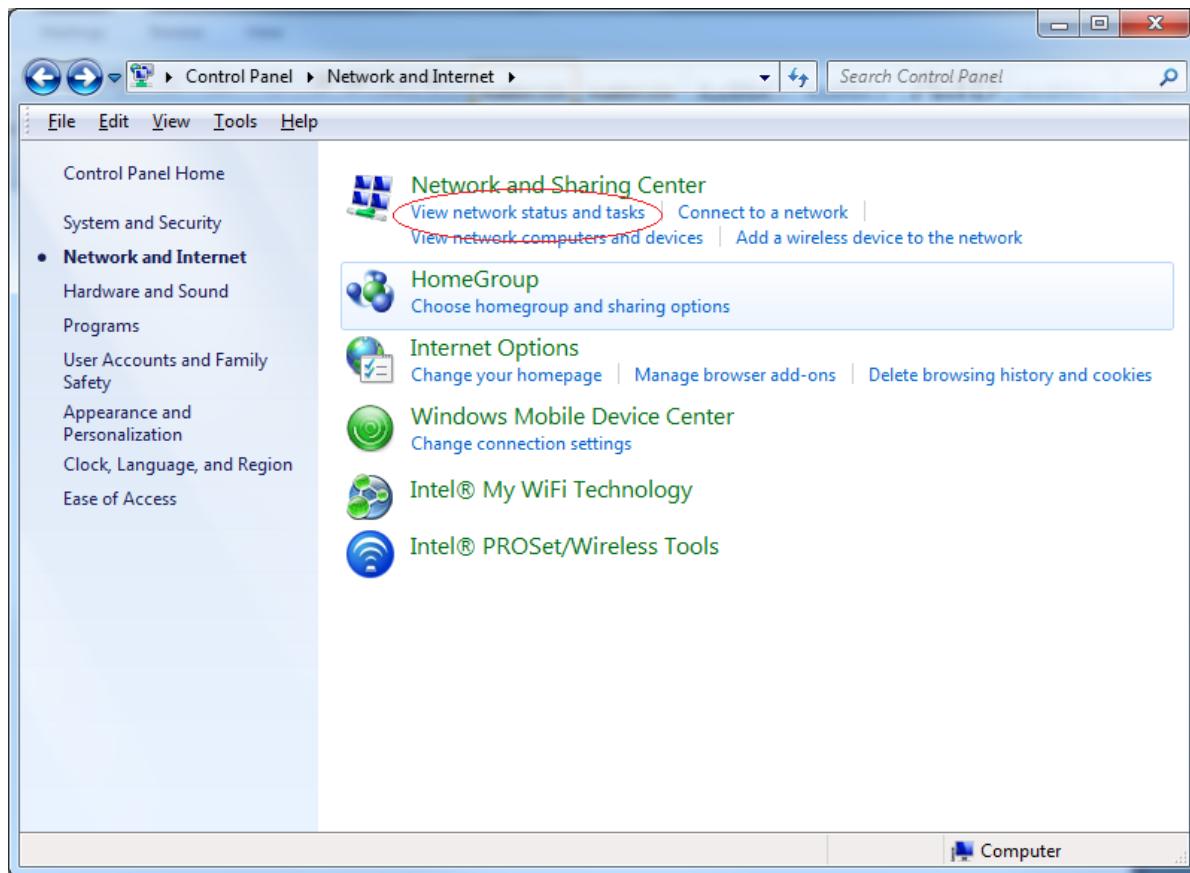
11. For further details on configuration and setup procedures refer to the included resource CD for full user guide.

Trouble Shooting:

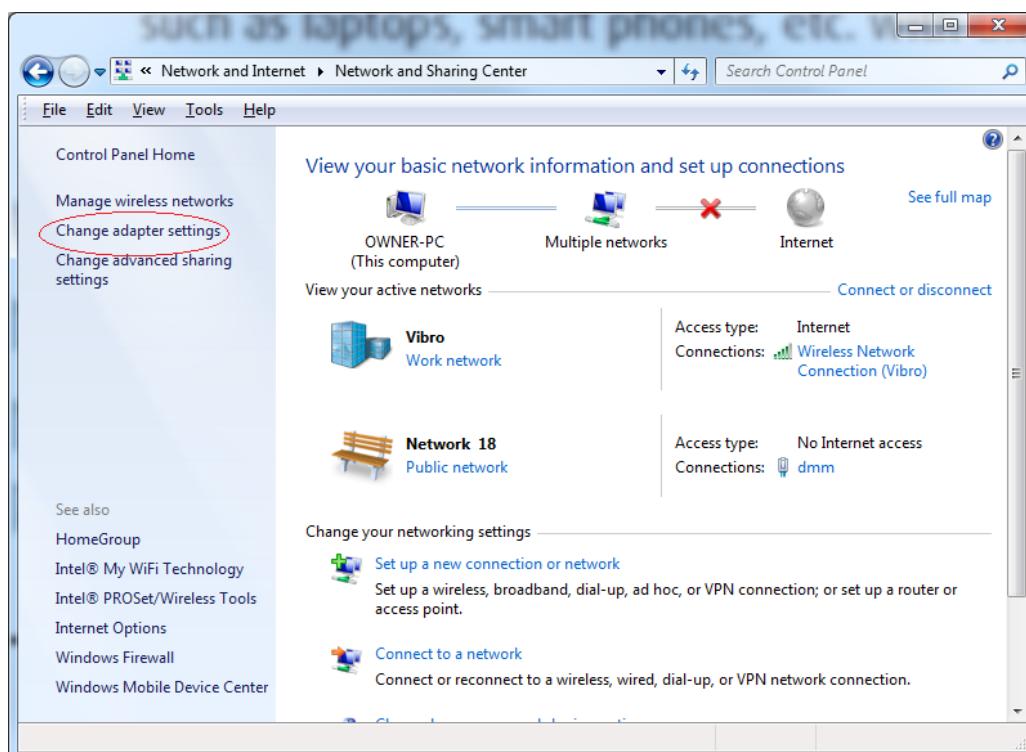
Click on "Network and Internet" as shown below:



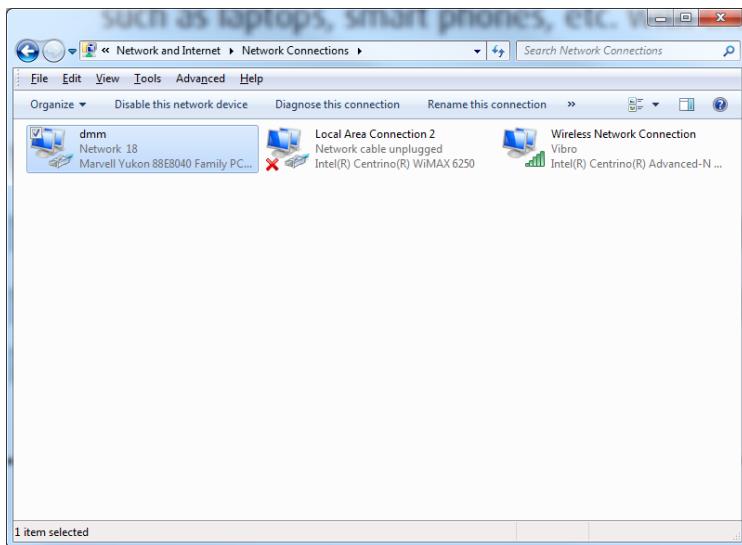
Click on "View and work tasks" as shown below:



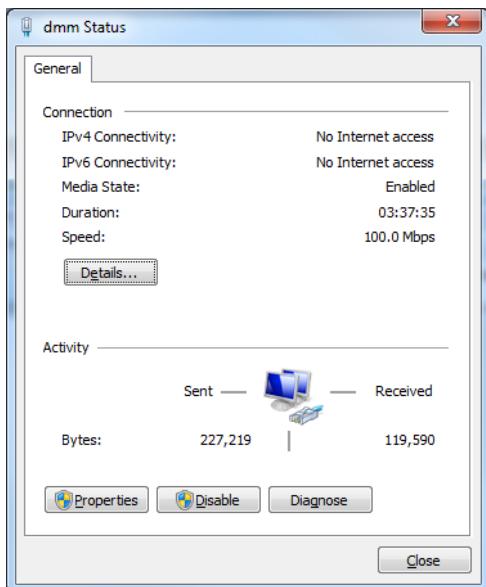
Click on "Change adapter settings" as shown below



Double click on the Ethernet network name of your wired Ethernet port. See example below:

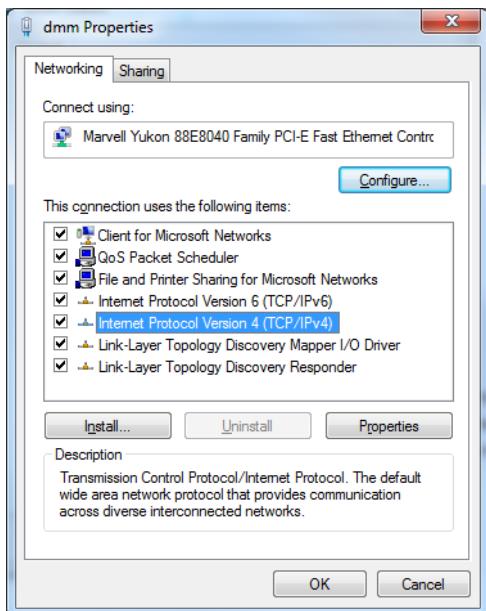


Click on the "Details" tab as shown below:



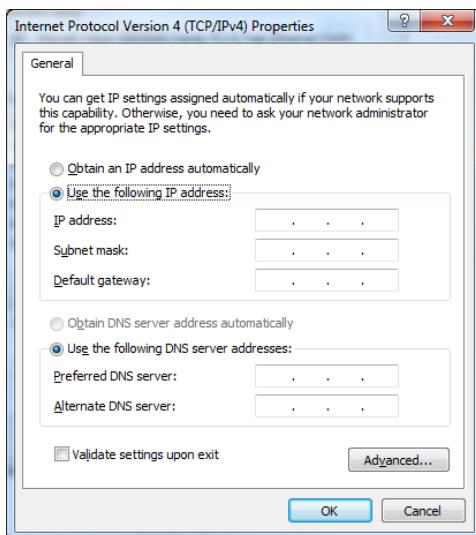
Notice the IPv4 Address is 10.0.10.1, this is correct. The IP address you receive may vary. Example you may get 10.0.10.2, 10.0.10.3, but notice the first three digits are always the same. If you have an IP address that is not in this range you must manually change it in order to configure the repeater.

To change it click on the properties tab on the bottom left hand corner. You will see the image below:



D o u b l e   c l i c k   o n   t h e   " I n t e r n e t   P r o t o c o l   V e r s i o n   4

You will now see the following:



M a k e   s u r e   y o u   s e l e c t   P " U s e r e s e t s " f o r p l o t o n   a n d   e n t e r

10.0.10.1 for the IP address.

Enter 255.255.255.0 for the Subnet mask.

Enter 10.0.10.254 for the Default gateway. (*If you are using more than one repeater in your network, to avoid IP conflicts between the repeaters make sure you change the default IP address of the repeater from 10.0.10.254 to example 10.0.10.253. this can be changed from the WR600NSI's web interface configuration page as show below:*)

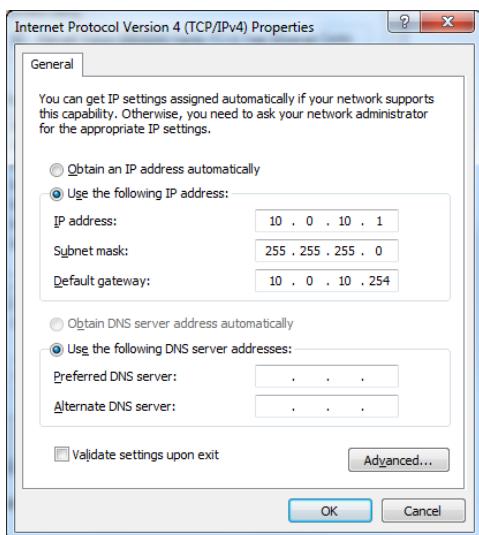


## LAN Configuration

Device IP Address:  (This field is circled in red)

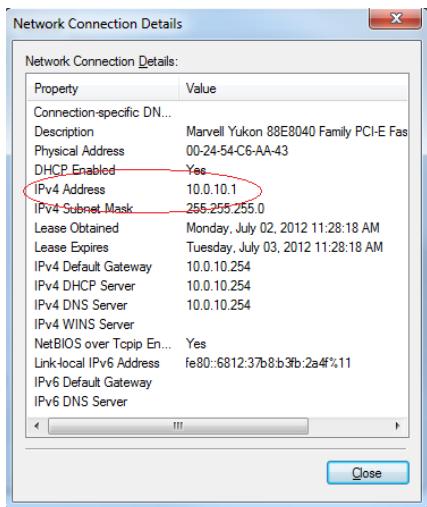
Device Subnet Mask:

When you are finished it should look like the image below:



Once completed proceed back to step 4 of this guide to complete the WR600NSI configuration.

Note: after you have finished setting up the repeater using manual TCP/IP settings you must go back to the TCP/IP settings and revert back to obtain IP automatically.



## Technical Support

Diamond Technical Support staff is here to help resolve any issues that you may be experiencing. Prior to contacting technical support please make sure you have the following information available.

1. Model #: (Printed on the bar code, located on the box)
2. Installation CD Version: (printed on the CD label)
3. The version of Windows that your system is running.
4. The manufacturer and model # of your computer.
5. CPU type and speed (example: Intel Pentium4 2.4GHZ)
6. A complete description of the problem that you are experiencing including any

steps that you have taken to try to resolve the issue.

**Technical Support Options**

**Free Telephone Support**

818-357-5165

(long distance rates may apply)

Mon - Fri, 8 - 4:30 PST

<http://www.diamondmm.com>