

# Setting up Wireless Encryption on a Netgear Router

With your MCC Broadband connection it is not necessary to run the Router's setup CD. Unless otherwise specified you are running a DHCP connection type that does not require the setup of the router's wizard. Running the wizard will oftentimes make the connection un-usable. Use the advanced or manual setup when setting up your new router.

1. Open up your web browser (Internet Explorer or Firefox) and log into your router with a computer that is directly plugged into the router by typing in the router's IP address in your browser's Address Bar. By default this IP address is **192.168.1.1**

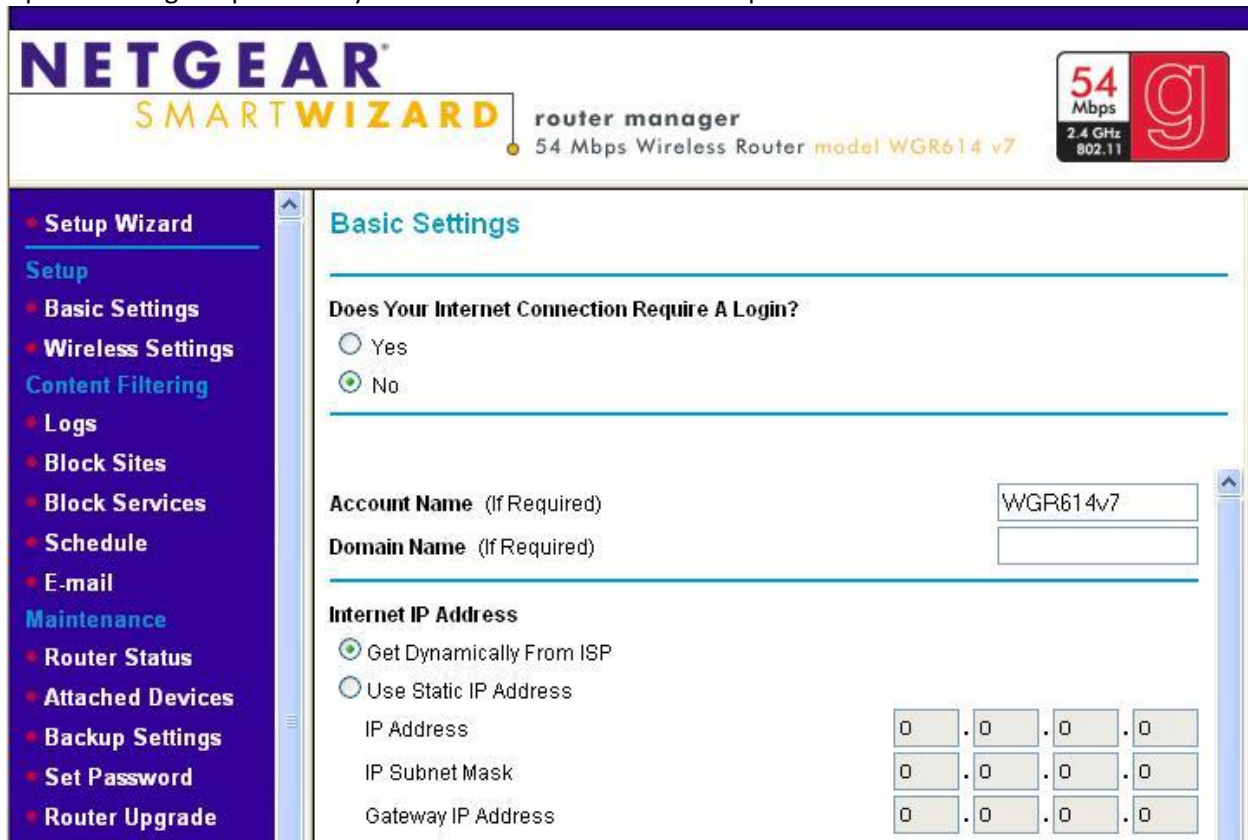
You should be prompted with a login screen asking for a username and password.



The image shows a Windows-style dialog box titled "Authentication Required". It contains a question mark icon and the text: "A username and password are being requested by http://192.168.1.1. The site says: 'WGR614v7'". Below this, there are two input fields: "User Name:" with the text "admin" and "Password:" with ten black dots. At the bottom, there are "OK" and "Cancel" buttons.

By default the Netgear's User Name is "admin" and the Password is "Password".

2. Upon entering the password you will encounter the Basic Setup Screen.



The image shows the Netgear router manager web interface. At the top, it says "NETGEAR SMARTWIZARD router manager" and "54 Mbps Wireless Router model WGR614 v7". There is a logo for "54 Mbps 2.4 GHz 802.11". On the left is a navigation menu with items like "Setup Wizard", "Basic Settings", "Wireless Settings", etc. The main area is titled "Basic Settings" and contains the following options:

- Does Your Internet Connection Require A Login?
  - Yes
  - No
- Account Name (If Required): WGR614v7
- Domain Name (If Required):
- Internet IP Address
  - Get Dynamically From ISP
  - Use Static IP Address
- IP Address: 0 . 0 . 0 . 0
- IP Subnet Mask: 0 . 0 . 0 . 0
- Gateway IP Address: 0 . 0 . 0 . 0

3. Select “Wireless Settings” immediately below “Basic Settings”.

**NETGEAR**  
SMARTWIZARD router manager  
54 Mbps Wireless Router model WGR614 v7

54 Mbps  
2.4 GHz  
802.11

**Setup Wizard**

**Setup**

- Basic Settings
- Wireless Settings**
- Content Filtering
- Logs
- Block Sites
- Block Services
- Schedule
- E-mail

**Maintenance**

- Router Status
- Attached Devices
- Backup Settings
- Set Password
- Router Upgrade

### Wireless Settings

**Wireless Network**

Name (SSID): NETGEAR

Region: United States

Channel: 01

Mode: g and b

**Security Options**

None

WEP

WPA-PSK [TKIP]

WPA2-PSK [AES]

WPA-PSK [TKIP] + WPA2-PSK [AES]

Apply Cancel

4. For **Security Options** select **WPA2-PSK [AES]** or **WPA-PSK [TKIP] + WPA2-PSK [AES]**. \* Enter in at least 8 characters for the Passphrase and select Apply

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SMARTWIZARD router manager  
54 Mbps Wireless Router model WGR614 v7

54 Mbps  
2.4 GHz  
802.11

**Setup Wizard**

**Setup**

- Basic Settings
- Wireless Settings**
- Content Filtering
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- Router Status
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**Advanced**

- Wireless Settings**
- Port Forwarding /

### Wireless Settings

**Wireless Network**

Name (SSID): NETGEAR

Region: United States

Channel: 01

Mode: g and b

**Security Options**

None

WEP

WPA-PSK [TKIP]

WPA2-PSK [AES]

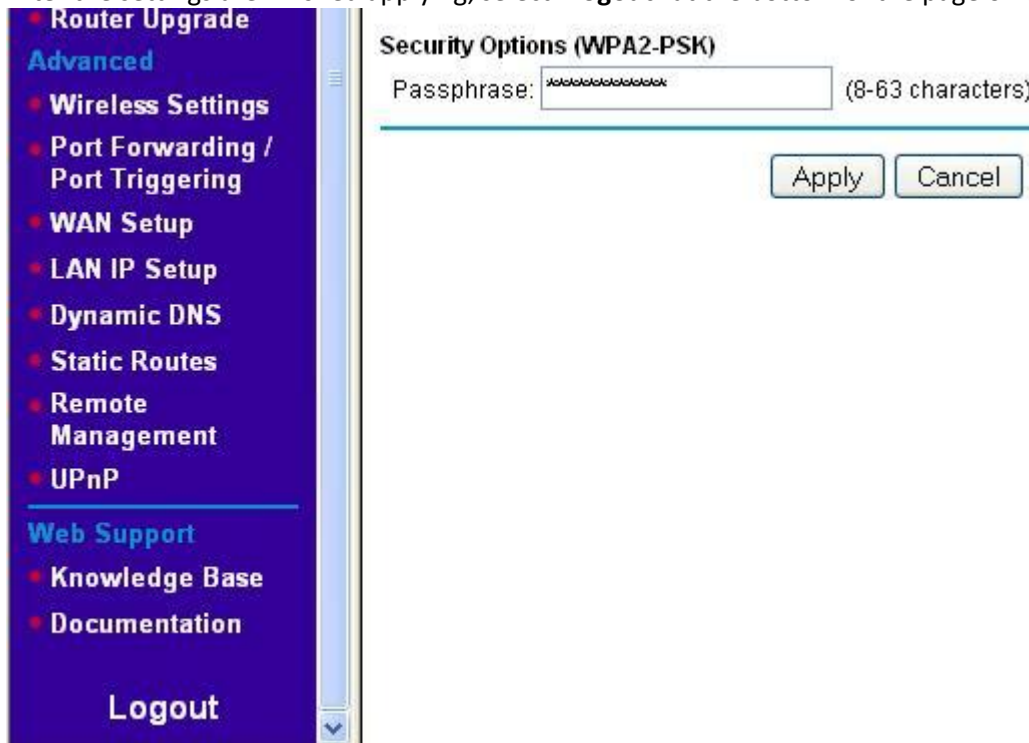
WPA-PSK [TKIP] + WPA2-PSK [AES]

**Security Options (WPA2-PSK)**

Passphrase: [masked] (8-63 characters)

Apply Cancel

5. After the settings are finished applying, select “Logout” at the bottom of the page on the left hand side.



You have now successfully set up a powerful encryption on your wireless connection and each device that connects wirelessly will need to be configured to re-logon to the network using the WPA Shared Key that was established.

Once it is connected one time there is no need to re-enter the Key.

\*Some routers and wireless equipment may not allow WPA2 security. For these using WPA or WEP are the only encryption methods available. For more information on Netgear Routers visit <http://kbserver.netgear.com/>