

Configuration of Netgear DGN2200 Wireless Router

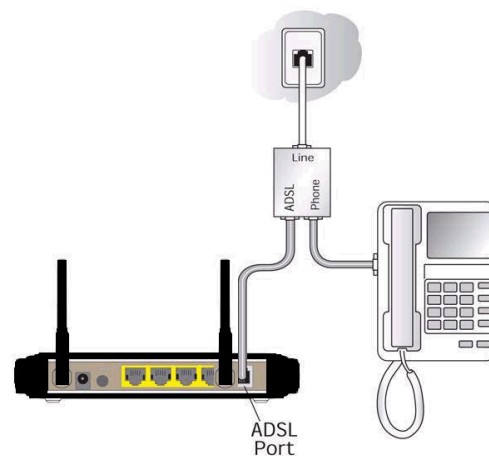
If you are having problems with the configuration of your Wireless router you should consult the documentation that came with your router, contact the manufacturer or request a Broadband Made Easy engineer from our Sales department on 624624.



We do not recommend running the set up disk for this router as it will not pick up the correct settings for Manx Telecom broadband.

If you continue to have problems with your setup, this procedure can be used as a manual setup to guide you with the installation of your router.

- Plug a filter into every telephone socket that is in use in your property by unplugging the Telephone/Sky/Oil watchman, plugging the filter in and re-connecting the equipment through the filter.
- Plug the router into a phone socket using the grey cable, making sure that the router also goes through a filter.
- If using an extension cable, make sure the filter is on the router side of the cable and is not "double filtered" as this will cause slow speeds and possible drop outs.
- **Every piece of equipment plugged into the phone sockets all around the property need to have filters on them.**



- Plug the power supply (Black) and the ADSL Line (Grey) Cord in to the respective sockets on the rear of the router. Connect the Ethernet cable (Yellow) into one of the yellow fittings on the back of the router and the other end into the PC/Laptop.
- The PC/Laptop should now be showing connected and the set up can continue.
- **Open your Internet Browser** and in the address bar remove anything that is in there and type the following
 - **192.168.0.1** then press the Enter, Return or go button.
- You will then be presented with a login box (as shown below), by default the username is **admin** and the password is **password**

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User name:

Password:

Remember my password

At the set up wizard page, select **No. I want to configure the router myself** and click next.



Setup Wizard

Select Country
Country:

Auto-Detect Connection Type
The Smart Setup Wizard can detect the type of Internet connection that you have.
Do you want the Smart Setup Wizard to try and detect the connection type now?

Yes.

No. I want to configure the router myself.

If the router does not automatically direct you to the basic settings page, select basic settings from the top left links.

The following information needs to go into the basic settings page;

- Basic settings:
 - Select **Yes** to does your internet connection require a login
 - Choose **PPPoA (PPP over ATM)** for encapsulation
 - *****Enter your Manx Telecom Username and Password in the login and password fields*****
 - Connection mode **Always on**

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Basic Settings

Does your Internet connection require a login?

- Yes
 No

Encapsulation

PPPoA (PPP over ATM)

Login

ADSL username here

Password

Connection Mode

Always On

Idle Timeout (In Minutes)

0

- Once all these details have been entered, scroll down the page and press the **Apply** button. This will then show an updating status. Once complete, the basic settings page will be displayed again.
- Next select **ADSL Settings** from the left hand side and ensure that the settings are as followed:
 - Set Multiplexing Method as **VC-BASED**
 - Set **VPI as 0**
 - Set **VCI as 38**
 - Set **DSL mode as Auto**

ADSL Settings

Multiplexing Method: VC-BASED

VPI: 0

VCI: 38

DSL Mode: Auto(Multi-mode)

Apply Cancel

Once all settings are entered press the **Apply** button. The next stage in the setup is to configure your wireless connection.

Please note the following wifi settings are a basic recommendation and can be adjusted if you are having problems or picking up wifi interference.

Select **Wireless Settings** from the left hand side,

- Wireless settings (basic set up, for “N” enabled equipment please seek manufacturer assistance)
 - Change the Primary **SSID (Wifi name)** from NETGEAR to something more recognisable. This will become the name of your wifi connection.
 - Set the Region to **Europe**
 - Set Channel to **11** (this can be changed if having problems with interference)
 - Set Mode to **54mbps** (if your PC/Laptop supports “N” this can be changed)
 - Scroll down to security options and select the option **WPA-PSK**
 - Scroll down again and enter a password for your wireless connection in the passphrase box

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Please make a note of the passphrase as this will become your wireless password. This can also be referred to as the network key.

Wireless Settings

Select the wireless network to configure

	Profile	SSID	Guest Network	Security	Enable	Broadcast SSID
<input checked="" type="radio"/>	Primary	WiFi name here	No	WPA-PSK	Yes	Yes
<input type="radio"/>	2	NETGEAR-2	No	None	No	Yes
<input type="radio"/>	3	NETGEAR-3	No	None	No	Yes
<input type="radio"/>	4	NETGEAR-4	No	None	No	Yes

Wireless Network

Name (SSID):

Region:

Channel:

Mode:

Enable this wireless Network

Enable SSID Broadcast

Wireless Isolation

Security Options

- None
- WEP
- WPA-PSK
- WPA2-PSK (AES)
- WPA-PSK (TKIP) + WPA2-PSK (AES)

Passphrase: (8-63 characters or 64 hex digits)

- Once all settings are entered, press the **Apply** button.

Your Netgear router is now setup and configured for use, you will now be able to browse the internet with the Ethernet cable connected or alternatively, scan and connect to your wireless network using the details that have just been configured.

If you require further assistance or support please contact the Manx Telecom Helpdesk on 624624.