

*xtraordinary broadband*



## Installation Guide Wireless Network Kit



[xtra.co.nz/jetstream](http://xtra.co.nz/jetstream)



# Getting started with your Broadband Self-Install Kit

This kit contains all you need to get yourself started with Xtra JetStream and set up your own wireless network.

## Before you install

Xtra JetStream has a great range of plans so you can choose a plan that suits your needs. If you aren't an Xtra customer or haven't selected a plan yet, visit [xtra.co.nz/jetstream](http://xtra.co.nz/jetstream) to order, or call us on **0800 JET XTRA**. You will also need to choose an installation option – connection only or connection and wiring. There is an additional cost associated with this.

## Confirmation

Before you install your wireless router you will need to have received confirmation from Xtra with your User Name and Password. Xtra will also let you know the day when your JetStream connection has been turned on. You won't be able to install your router until JetStream has been turned on.

## What's in the box?

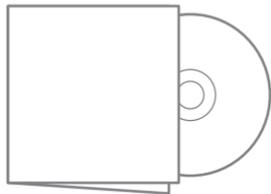
This kit includes all the components you need to get started.

- > **D-Link DSL G604T:** This easy-to-install wireless router connects to a JetStream enabled wall socket. Your computers will connect to the wireless router via small wireless devices such as a wireless laptop card or wireless USB adaptor.
- > **Filters:** A filter must be plugged in to each wall socket that connects a device e.g. phone, fax, digital TV decoder, to your telephone line. If you do not use filters you run the risk of your Xtra JetStream connection failing due to interference, this interference may also cause noise on your telephone.

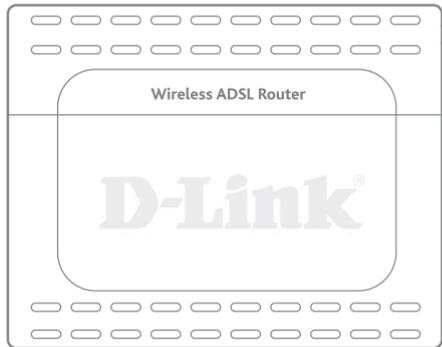
You must connect the double filter to the wall socket you intend to connect your computer to, if you have chosen our 'connection only option' you can also connect a telephone or fax to this filter. All other filters should be used to connect other devices (such as your phone or fax) to your telephone line.

If you have more than two devices (e.g. fax and phone) connected to your phone line you will need to buy extra filters. Make sure you do this before you begin the installation.

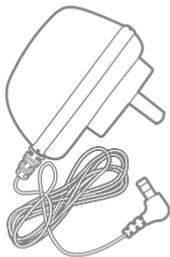
- > **1 ADSL cable: (black cable):** This connects your wireless router to the double filter.
- > **1 power adaptor:** To power your wireless router.
- > **1 Ethernet cable (blue cable):** This connects the wireless router to your computer via an Ethernet port.
- > **1 Installation CD:** This CD will take you through the installation process, one simple step at a time. Remember; do not connect your wireless router until instructed to do so during the set-up.



Installation Guide and CD



D-Link DSL-G604T ADSL Router



Power adaptor



ADSL cable  
(black cable)



Ethernet cable  
(blue cable)



Antenna



Double line filter

## Guide to your installation CD

This installation CD takes you through setting up your wireless router one simple step at a time.

It should only take 30 minutes for you to complete the set-up process.

The CD takes you through:

1. Instructions
2. Before you start
3. What's in the kit
4. Filters
5. Setting up your wireless router
6. Login
7. Confirmation
8. Wireless security
9. Firewall
10. Confirmation
11. Connecting other computers to your network

## Install your wireless router

Now it's time to install your wireless network kit and get going.

Do not proceed past this point until:

- > Your telephone line has been enabled for Xtra JetStream
- > You have all the filters you require
- > You have your Xtra User Name and Password handy

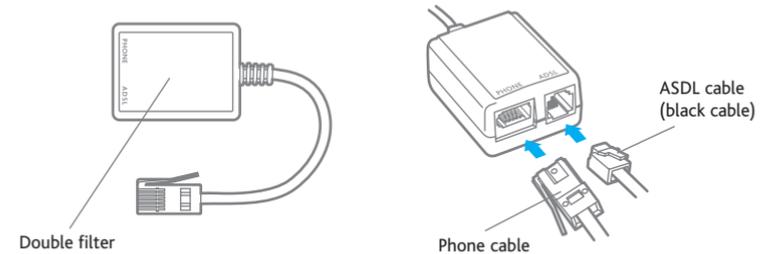
### Run your set-up CD

The easiest way to install your wireless router is to place the install CD in the CD drive on your computer now and follow the simple step-by-step instructions on the CD. Remember, do not try and connect your wireless router until the instructions tell you to.

## Filters and Connection Requirements

Remember before you begin the installation, if you have more than two devices connected to your telephone line you will need to buy additional filters.

You must connect the double filter to the wall socket you intend to connect your computer to, if you have chosen our 'connection only option' you can also connect a telephone or fax to this filter.



If you have Sky Digital installed at your house please ensure you connect a filter between the decoder and the wall socket it connects to. Some services on Sky Digital require a telephone connection, so your decoder is probably plugged into a wall socket just like your phone or fax is, without a filter connected here these services may not work.

If you have a burglar alarm connected to your phone line you will need a technician to come to your house and complete wiring work. There is an additional cost associated with this.

## Connection with your Wireless Router

Each computer or other device that you would like to connect to your wireless network needs to either already be enabled for wireless (many new laptops will already have wireless capability), or have a wireless device plugged into them. Xtra can provide you with either a Wireless Laptop Card or a USB Adaptor for these purposes, call **0800 JET XTRA** to order, these come at an additional cost.

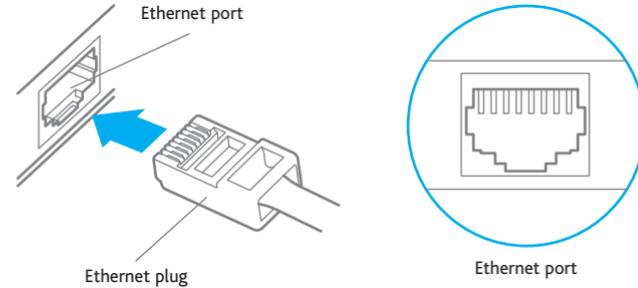


Wireless Laptop Card



USB Adaptor

It is also possible to connect up to 4 computers or devices via Ethernet on this wireless router. You will need a spare Ethernet port on your computer, this is usually found at the rear of the PC and looks like this -



Connecting via Ethernet is simply a matter of plugging the Ethernet cable into the Ethernet port on the wireless router and into the spare Ethernet port on your computer.

## Wireless Security

We strongly recommend setting up your wireless network with wireless security. Without some kind of security you are exposing your network to unauthorised access, anyone within your coverage area will be able to connect to your network and use your broadband connection.

The recommended form of security for your wireless network is WEP.

### What is WEP?

WEP stands for 'Wired Equivalent Privacy' and is designed to give your wireless network a similar level of security, as you would get on a wired network. WEP aims to provide security by encrypting data travelling over your wireless network.

Wireless security should not be confused with security services such as virus protection, firewalls and spam filters. WEP will not provide you with any of these features; it simply secures the information you are sending and receiving, and acts as an obstacle to anyone trying to access your network.

This wireless router will also support WPA security, to configure your wireless network with WPA security you will need to access the routers web management tool. For WPA to work, all devices on your network must be WPA compliant or they will not be able to connect to the network.

### What is WPA?

WPA stands for 'Wifi Protected Access', it is a more advanced encryption method than WEP, but requires all devices on the network to be compliant with WPA.

## Setting up Wireless Security

Your installation CD sets up your WEP security settings for you in an easy to follow way.

To change, alter or look at your wireless security settings, you will need to gain access to your wireless routers web based management tool. This can be done easily through a computer already connected to your wireless router, either through a wireless device (e.g. wireless laptop card), or via Ethernet.

To access your routers web based management tool open your Internet browser. In the address bar type **http://10.1.1.1**. You may be asked for a login and password, if this is the case the login is admin and the password is admin also.

From the first screen you are presented with click on the 'Wireless Security' link on the left hand side navigation bar. You will then be able to alter your settings, and also set up WPA security if you would prefer this as your security protocol.

You should also note down your wireless security key (WEP Key) and cipher level (64/128/256 bit) for future reference.

WEP KEY:

## Connecting additional computers to your Wireless Router

Our wireless network kit comes with a 4 Ethernet ports, it is possible to simply connect to your Xtra JetStream connection by plugging an Ethernet cable into the wireless router and the other end into a spare Ethernet port on your computer.

### Connecting via Wireless

In order to do this you will need to make sure you have:

- > The name of your wireless network (the SSID, available on the router web management tool)
- > Your security settings
- > WEP – Cipher level (64, 128 or 256 bit) and your encryption key (10, 26 or 52 characters depending on cipher level)

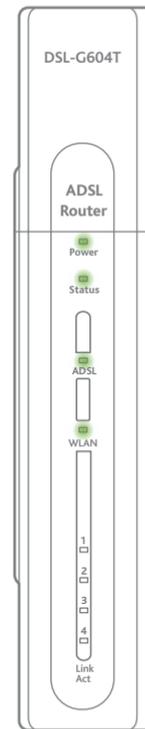
It is important to follow the instructions that you will have received with your wireless enabling device (e.g. wireless laptop card, wireless USB adaptor), the way these work can vary from device to device.

## Trouble Shooting

Having trouble once you've connected your wireless router? This could be due to a number of reasons.

Make sure your wireless router is connected correctly and all cords and cables are securely plugged into the correct sockets.

<b>Power</b>	Steady green light indicates the unit is powered on
<b>Status</b>	For the first few seconds of configuration the light will be solid green. Blinking green indicates normal operation; if the light is solid green after completing the installation process, wait up to 30 seconds, if the light remains solid green the wireless router should be turned off and turned back on a few seconds later
<b>ADSL:</b>	Steady green light indicates a valid ADSL connection. Blinking green light indicates an active Internet session
<b>WLAN</b>	Steady green light indicates a valid link. Blinking green light indicates an active Internet session
<b>1 - 4:</b>	Steady green light indicates a valid link between the Ethernet port on the wireless router and the computer. Blinking green light indicates an active Internet session through that particular Ethernet port on the wireless router



If you can still not resolve the issue, try reinstalling your wireless router carefully by unplugging it from your computer (if connected via Ethernet), and then pressing the reset button at the back of the wireless router. You should hold the reset button down for around 10 seconds.

Once this is done reinsert your installation CD and follow the instructions.

If problems persist please contact us on **0800 CALL XTRA**.

## Changing your Xtra User Name and Password

If you would like to change your password this can be done online at [xtra.co.nz/myaccount](http://xtra.co.nz/myaccount) or by calling **0800 CALL XTRA**.

Once you have done this you will also need to change your details on your wireless router.

To access the web based management tool type in **http://** followed by the default IP address, **10.1.1.1** in the address bar of the browser. The URL in the address bar should read: **http://10.1.1.1**

You may be asked for a logon and password to access this site, unless you have changed this the logon should be admin and the password admin. Once the screen has been presented, then click on the link on the left hand side that says Username and Password. Enter your username and the new password; you will need to re enter the new password a second time as well.

## Advanced Users

Customers wanting to customise their set up or run some of the advanced features on this wireless router will need to access the web based management tool.

Please follow the instructions under 'Changing your Xtra Username and Password' for how to access this tool, ie typing **http://10.1.1.1** into your browsers address bar.

Basic functionality can be accessed via the screen you are presented with when this tool opens, as well as the navigation bar on the left hand side. Advanced functionality such as port forwarding and access controlling can be accessed by clicking on the advanced user mode.

More detailed instructions and information can be found in the user manual which is provided in pdf format on your installation CD.