

D-Lifestyle

Technology solutions & lifestyle magazine **FREE**

VoIP: Internet calling made simple

Making your wireless network secure

108G MIMO: wireless steroids

D-Link technology guide

At the races



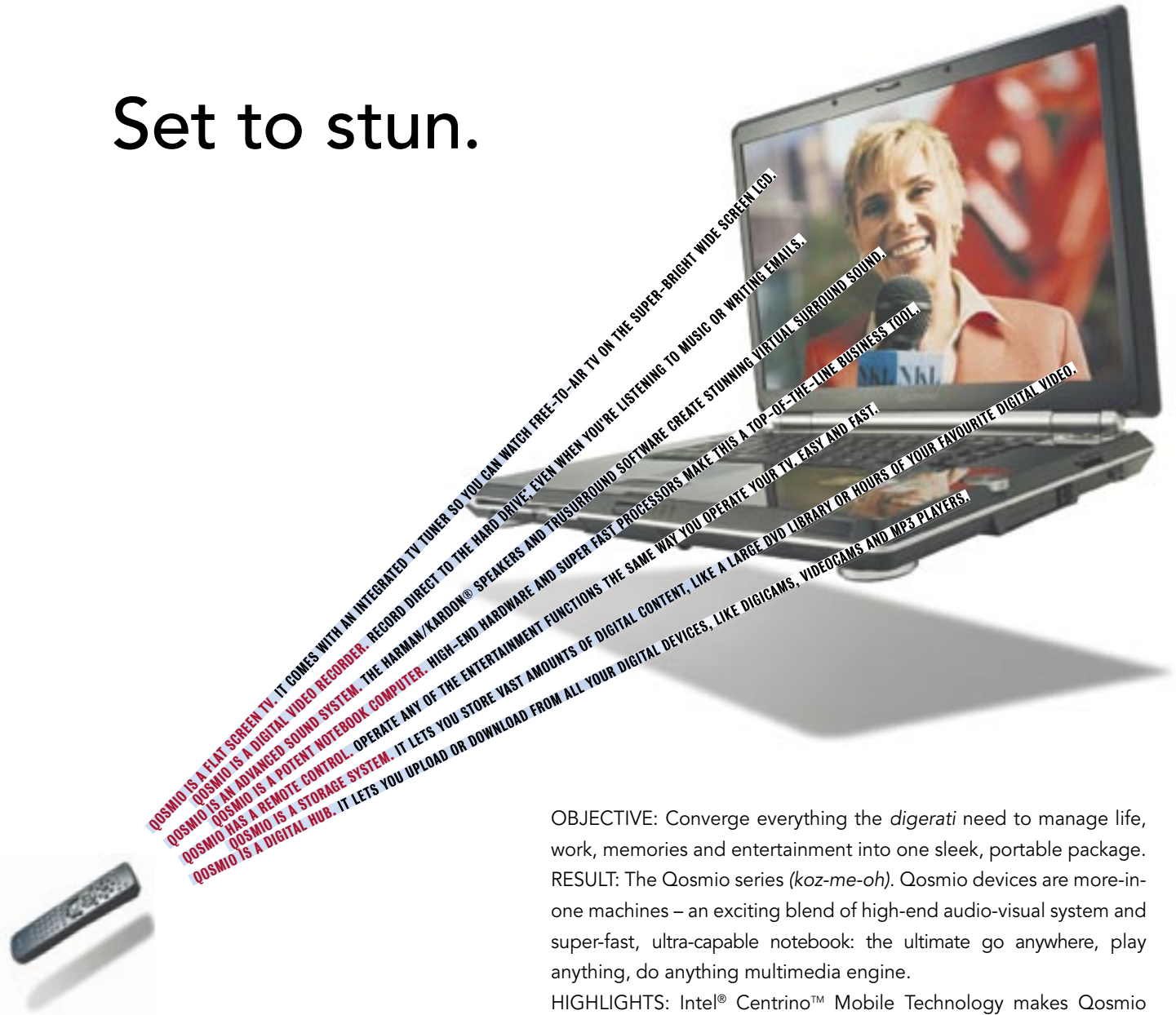
D-Link[®]
Building Networks for People



Toshiba recommends Microsoft® Windows® XP Media Center Edition.



Set to stun.



OBJECTIVE: Converge everything the *digerati* need to manage life, work, memories and entertainment into one sleek, portable package.
RESULT: The Qosmio series (*koz-me-oh*). Qosmio devices are more-in-one machines – an exciting blend of high-end audio-visual system and super-fast, ultra-capable notebook: the ultimate go anywhere, play anything, do anything multimedia engine.
HIGHLIGHTS: Intel® Centrino™ Mobile Technology makes Qosmio powerful and flexible. Microsoft® Windows® XP Media Center Edition delivers a new class of entertainment interface.

TOSHIBA

Qosmio

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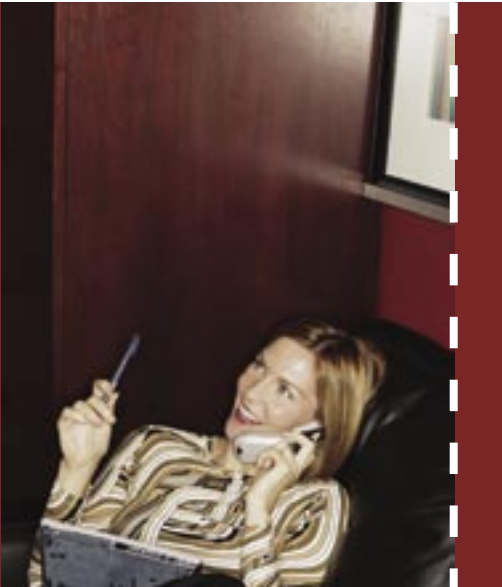
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D-Link is a worldwide leader and award-winning designer, developer and manufacturer of networking, broadband, Wireless, digital electronics, and voice and data communications solutions for the digital home, Small Office/Home Office (SOHO), Small to Medium Business (SMB), and Workgroup to Enterprise environments.

With global manufacturing International Standards Organization ISO 9001, 9002, ISO 14001 Certifications and numerous National Technical Excellence awards earned for R&D and manufacturing, D-Link delivers product excellence, quality, reliability, compatibility, high-performance within standards, and easy installation software, educational materials, and manuals.

D-Link is a dominant market participant and price/performance leader in the network and communications market. D-Link has been profitable every year since its inception in 1986, and continues to grow at a rate that will allow the Company to experience continued prosperity. D-Link sets the standards for market affordability, while focusing on Building Networks for People.



FROM THE EDITOR

Volume 1, Issue 2

Have you gone wireless yet? Wireless technology offers productivity, freedom, simplicity and convenience. It isn't just about the Internet, either – these days many devices can be set up to operate wirelessly in your home or office.

Call your friends over the Internet using VoIP instead of telephone lines. Put your printer wherever you want in your home or office – minus the hassle of cables. TV shows, music and movies stored on your computer can be wirelessly transmitted to your TV set.

Even the technology used to send wireless signals around your home and office has dramatically improved, giving your wireless network a vastly improved range, helping to eliminate black spots and boost speed.

But that's not all you'll learn about in this issue of D-Lifestyle. Importantly, we'll look at how to properly set up a secure wireless network in your home or office using the latest security protocol, known as WPA-PSK – a term we'll explain in plain English! There's plenty more to discover in D-Lifestyle, so we hope you'll enjoy the journey and incorporate some of the latest wonderful wireless technologies and their bountiful benefits into your life.

Best regards,

Alex Zaharov-Reutt



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Digital lifestyle technologies

Essential tech for the wireless era

Internet telephone

The DPH-120S VoIP Telephone plugs into your network router and lets you make low-cost phone calls to any landline or mobile telephone virtually anywhere in the world through your broadband Internet connection. It's also a full-featured speakerphone with built-in QoS (Quality of Service) technology to ensure calls sound as good as they possibly can. A large LCD displays dial-out and call-in numbers. Functions include redial, mute, transfer, voice mail, 3-way conference, call waiting, call forwarding and hold. See page 6 for more on D-Link's entire range of VoIP Internet phone solutions.



1. Home Network Storage

Need extra storage space? What about space that everyone in your home or office can securely access over the network without fiddly installation procedures? The DNS-312H is the answer. Brimming with 120Gb of space, it connects to your network router using Ethernet. You can even plug in a printer that can be shared across the network. Password-protected accounts can be set up for data security, and getting it up and running is a simple plug-and-play affair. Forget about adding internal hard drives or even USB drives – give everyone in your family or office the extra storage space they need! Also available is the DNS-300, without pre-installed hard disk.



2. Become a gaming guru!

D-Link's new GamerLounge Wired and Wireless Broadband Gaming Routers are specially designed for the ultimate online gaming experience. The wireless DGL-4300 is fit for the true online gamer who wants total wireless freedom for PCs and games consoles, while the wired DGL-4100 is suited for users who don't need wireless access. Both routers absolutely push the limits of networking technology, allowing you to share your broadband Internet connection, boost network performance and stay competitive in your online games. Powered by GameFuel Priority Technology, it's designed to provide the uninterrupted and latency-free gaming experience serious online gamers expect.



3. Fast ADSL 2/2+ wireless broadband router

The DSL-G604T Wireless Broadband Router can now connect to the Internet at up to 24Mbps, providing your ISP offers ADSL 2/2+. A handful of ISPs offer these speeds now, and many more will during 2005 and beyond. To take advantage of this massive speed upgrade, you'll need a new ADSL 2/2+ modem, and this wireless broadband router offers the lot – high speed, fast wireless, a four-port 10/100 Ethernet switch and strong security, to truly take your wireless broadband experience into overdrive. Use this router now with existing ADSL services, and when your ISP turns on ADSL 2/2+, you'll be ready to accelerate to ultra-fast broadband speeds!

4. Easy network configuration

The new "4-Step Configurator" on D-Link's website helps you calculate your networking requirements. It asks you a range of simple questions to help you decide what kind of network you'd like to create in your home or office. First it asks you what type of Internet connection you already use. It then asks how many users will be on your network and what kind of computers you'll be networking, your operating system and associated queries. Next it asks if you want to share a printer amongst all users or set up wireless access for devices such as games consoles, and finally it gives you a recommended network configuration which will meet your needs. You can even print it out and take it into a store. A very simple way to know the best way to create a home or office network that will suit your needs now and into the future.



5. D-Link Installation Services

Anyone needing help to install their newly purchased D-Link gear at home or the office should consider D-Link's handy Installation Services. Whether you're new to home networking or just don't have the time, D-Link has a one-stop solution for you. There are three service packages to choose from – the DIS-101 is ideal for the setup of a two-computer home or small office network; the DIS-102 is purchased in conjunction with the DIS-101 for those networks comprising more than two computers and/or have extra printers, wireless or wired routers, video phone or a gaming console; whilst the DIS-103 suits the home or small office that will add extra computers or additional peripheral devices in the future. At this stage D-Link Installation services are only available in Australia.

D-Link technology at work

Maurice Famularo, Marketing Director of D-Link Australia and New Zealand, understands that people are the cornerstone of the D-Link business. "People to us are what make technology work. After all without people what do you have?" said Famularo.

D-Link's customers use technology in many different ways, whether it is to create a wireless environment in the home or office, saving money with VoIP Internet telephone technologies, and now, keeping Ford racing fans up to date with the latest information - all delivered wirelessly.

"D-Link proudly sponsors Stone Brothers Racing (SBR) and are working with Coretech, our integration partner, to enable wired and wireless technology to be deployed in various business applications across Australia", said Famularo.

"As part of demonstrating this partnership we have not only deployed a Wireless Network within SBR's head office and facilities but also our Wireless Solutions are used during the races to transmit vital car information to the pit crew engineers. Relevant information is also sent to the Ford Corporate Hospitality area during a race so that Ford fans can view the latest information on the racing car as it's happening - and to really get right into all of the action!", said Famularo.

D-Link and Coretech are proud supporters of SBR and like to think that their technology is helping the SBR team to win races.



VoIP: Internet calling made simple

Making and receiving phone calls over the Internet has never been easier, cheaper or more accessible. We look at the latest developments in the VoIP communications revolution.



VoIP: Voice over Internet Protocol

VoIP is the technology that sends your voice over the Internet to any regular landline or mobile telephone. The good news about VoIP is that the technology has matured, making it as simple to use as your existing landline telephone. Once your new VoIP phone is plugged into your broadband-connected home or office network and you've signed up for a very inexpensive phone plan, just pick up the phone, dial in the number...and you're talking!

As you can see on the next page, the D-Link DPH-120S VoIP phone looks like a normal phone, but it's actually a full-featured speaker-phone with built-in QoS (quality of service) technology to ensure calls sound as good as they possibly can. An LCD displays dial-out and call-in numbers. Functions include redial, mute, transfer, voice mail, 3-way conference, call waiting, call forward and hold, plus a menu key and address book. The other model, the DPH-140S, includes all the features of the DPH-120S, plus 10 memory function keys.

An additional benefit of both D-Link VoIP phones is that once they've been connected to a VoIP service provider, such as MyNetFone (www.mynetfone.com.au), you can take your phone with you anywhere in the world, plug it into any broadband network connection, then make and receive phone calls as though you were in Australia, with calls billed from the local area code you first installed your phone in! This incredible feature lets you make calls to any regular landline phone in Australia for 10c, untimed, even if you're in a hotel room in New York, London, Paris, Rome or anywhere!

The VoIP evolution

While VoIP technology may sound new, it's actually been with us for over a decade. In the early days, making phone calls over the Internet was fraught with difficulty. You needed special software on your PC and the other party needed to use the same software. Fiddly wired microphone/headset combinations had to be plugged into the back of your computer, and because broadband was quite rare a decade ago, voice quality was very patchy.

Fast-forward to today, and the situation is vastly different. Standard telephone handsets are the norm. You can connect to virtually any landline or mobile telephone in the world. VoIP calls are much cheaper than those from regular telecommunications companies, and voice quality is on par with regular phone calls. That's because the technology driving the VoIP phone network has greatly matured.

Enhancing your VoIP experience

There are a couple of caveats. The first is that VoIP technology works best with a high-speed broadband connection. A minimum of a 512kbps connection is recommended – a standard broadband speed these days. The second is that if you're making a phone call, and very large files are being transferred at the same time, call quality can suffer with other brands of VoIP phones, as the "packets" of data and voice compete while travelling through your Internet connection.

The good news is that both of D-Link's VoIP phones have QoS

technology built-in to ensure smooth voice reception and transmission. And using D-Link's DI-102 Broadband Internet/VoIP Accelerator, you can enhance your VoIP calling experience further. It uses an intelligent engine to detect and prioritise bandwidth-sensitive packets so that they can be sent over the Internet as soon as the request is made.

To illustrate how this works, imagine that you're sending an email while making a VoIP phone call. When data packets from both activities are sent to the Internet at the same time, the DI-102 will automatically classify the VoIP phone call as more important and will send the VoIP packets first, and the email data second. This means that the VoIP phone call will not be affected by large files being sent across your network, as VoIP calls will get priority thus dramatically enhancing the voice quality to what you'd expect with a phone.

Setting up the DI-102 only requires three easy steps. Connect your cable or DSL broadband modem to the DI-102, plug it into your home or office router and then turn the DI-102 on. Compatibility is not an issue – this device works with virtually all Internet connection types and broadband routers on the market. It also works with different brands of VoIP phones and VoIP equipment. In addition, the DI-102 dynamically configures itself by automatically detecting your Internet upload speed, and is ready for use once it's plugged into your existing network, making it a simple plug-and-play solution.

Finally, there's some extra good news. If you're into playing online games, or use other bandwidth-intensive applications such as Internet video conferencing, the DI-102 helps to optimise this data traffic too, so you're assured of the best voice, video and gaming experiences possible!

Making VoIP even easier

D-Link also offers a range of other VoIP-enhanced networking equipment with built-in QoS features. Designed to work with your broadband connection and VoIP telephone, the DVG-1402S Broadband Router has a built-in 4-port switch, allowing you to connect other computers or devices via standard Ethernet cable.

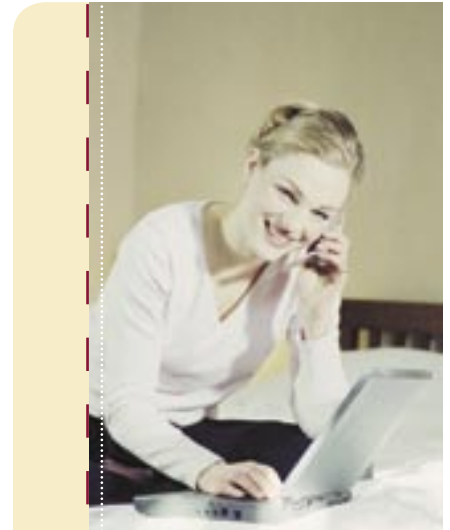
The DVG-G1402S VoIP Wireless Broadband Router adds the benefit of an 802.11g wireless network running at

54Mbps, giving you total wireless freedom while still offering the vital QoS functions.

Finally, the DVG-2001S VoIP Terminal Adapter lets you plug any existing conventional telephone into your home or office network, eliminating the need to purchase new VoIP specific models.

Using the Internet to make phone calls is an excellent money-saving solution. It's also a very inexpensive way to get a second phone line without paying hundreds of dollars for installation or waiting weeks for a technician to come and install one.

Millions of people around the world are taking advantage of VoIP phone calls. When will you join the VoIP revolution?



▶ DPH-120S



▶ DPH-140S



▶ DVG-2001S



▶ DVG-1402S



Making your wireless network secure

If you're one of the many people who have not yet activated the security settings on their wireless network, this guide will show you how. It's easy and it keeps you secure!



In today's modern connected world, security is more important than ever. If you want to access the Internet, using a good firewall is essential to keeping hackers out of your system. Logging into your Internet Service Provider, and then to all of the Web services you regularly use such as email and Internet banking - all require the use of a username and password. Security has long been a concern in the offline world too, as our daily use of locks and keys readily demonstrates.

All of this makes turning on and using the security features of your wireless network an obvious decision, yet many choose not to activate the readily available security features. This is akin to leaving the front door of your house unlocked and hoping no-one will notice. While this may have been acceptable decades ago, it's unthinkable today.

The good news is that turning on the security features of your wireless network is simple, quick and painless. Once turned on, your "neighbours" can no longer connect to the Internet using your wireless network. They can no longer download large files such as movies or music and chew up your monthly download allowance. If you work in an office, other businesses around you likewise cannot use your Internet connection. Hackers and even competitors who want to steal data will be denied access to your network.

There are a number of ways to secure your wireless network, but we'll look at the two most common ways, first using WEP, which stands for 'Wired Equivalent Privacy' and then the new and more secure WPA-PSK, which stands 'Wi-Fi Protected Access'. D-Link recommends using the more secure WPA-PSK system. This guide assumes you're using D-Link wireless networking equipment, but if you're not, the steps in this guide will be similar to other equipment on the market.

Part 1: WEP

Step 1: Setting up your wireless broadband router or access point's WEP encryption key

1. Log into the Access Point using your Web browser, such as Internet Explorer. Often the address to type into your browser's address bar is 192.168.0.1. You'll usually be asked for a username and password to log into your device. You should have set these up when you first installed your wireless broadband router or wireless access point, but if you haven't, or can't remember, check your manual for

the default settings and try those. If you're still using default settings, D-Link strongly suggests you change the password to something more secure. In the initial setup process, you'll also be asked to give your wireless network a name. This is known as an SSID, or a Service Set Identifier. You'll need to remember this name later.

2. Once you've logged into your wireless broadband router, go to Wireless Configuration (Home → Wireless). Select the WEP option and ensure it's set to "Enable".

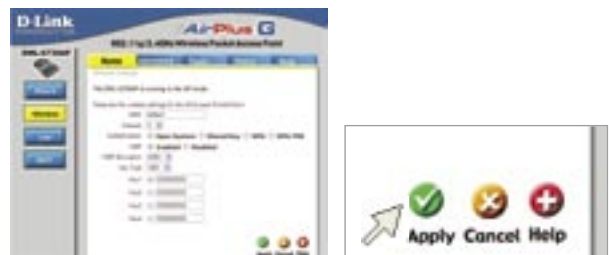
3. Select the key mode (ASCII or Hex). ASCII (American Standard Code for Information Interchange) is the standard for assigning numerical values to the set of letters in the Roman alphabet and typographic characters. This allows you to create a password similar to the one you already use for your email or other Web services. The HEX (Hexadecimal) system comprises numbers from 0 to 9 and letters from A to F.

4. You must then select WEP key length. There are generally two choices - 64 Bit and 128 Bit. A 64 Bit key must be 5 ASCII characters long, or 10 Hex characters. A 128 Bit key must be 13 ASCII characters long or 26 Hex. A 128 Bit key is more secure.

5. Write down the password you've chosen as you'll need to refer to it later.

6. Now select the default key. There are four WEP keys that can be used. The default is Key 1. Select Key 1, ignoring the others.

7. Press Apply to complete your settings.



Congratulations! You have now created a password to access your wireless network.

Step 2: Setting up the WEP key on your computer's wireless network card

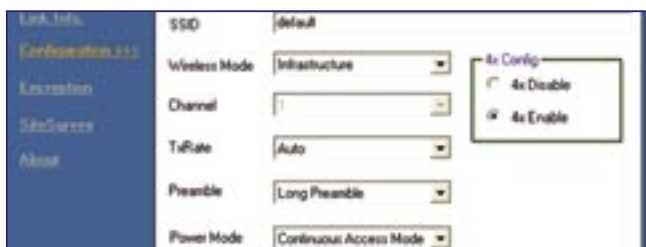
There are two ways to set up your computer's wireless card to connect with your wireless network. One is by using the wireless configura-

tion utility that came with your wireless network card such as the D-Link Wireless Utility. The second is by using Windows XP's wireless configuration utility. We'll look at both methods.

2a. If you're using D-Link Wireless Utility to configure your D-Link Wireless Card:

1. Open the D-Link AirPlus wireless utility by double-clicking on the bar graph icon and selecting Encryption. Usually a wireless networking icon will appear in your computer's tool bar, next to the clock on the bottom right-hand side of the screen.

2. Put a tick in the "Data Encryption" box and select Shared Authentication in the authorisation mode menu. Depending on the type of password you created for your wireless network, select 64, or 128 encryption for the key length. In the section called 'Key 1' type in the Hex or ASCII encryption key (the password) that was entered into the wireless broadband router or access point in Step 1.



2b. If you're using Windows XP to configure your wireless card:

1. Right-click My Network Places on your desktop and click Properties. If you don't have a 'My Network Places', click Start→Control Panel/Network.
2. Select your Wireless LAN Card, right-click on the icon and select Properties. Click on Wireless Network.
3. A list of available wireless networks will appear. Select the Access Point you're going to connect to and click Configuration. This will have the same name (the SSID) that you gave your wireless network when you first set it up.
4. Under "Wireless Network Properties" tick "Data encryption (WEP Enabled)". Uncheck "The key is provided for me automatically".
5. Select the "Key index", which is the default key for your wireless broadband router or access point. This is usually Key 1. Note: in some versions of Windows the indexes are from 0 to 3, which are mapped to keys 1 to 4. If you have a Key 0, this will likely be the default key, so in this case you'd use Key 0.
6. Type your WEP Key password into "Network key". This is the same as the one entered on your Access Point.
7. Press OK to finish your computer's WEP settings.



Once you've successfully set up all of your computers with wireless Internet access, and you find that your connections are all ok, you can then turn off the broadcasting of your wireless network name, known as the SSID. Turning this off once all of your systems are connecting wirelessly to the Internet means that your computers can still access the wire-

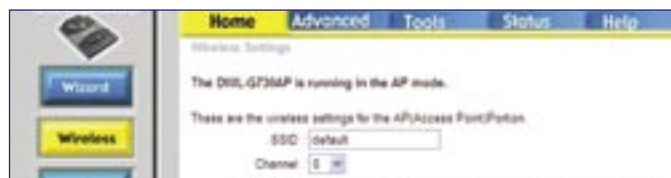
less network, but neighbours or hackers are unlikely to even know there's a wireless network there. If they're able to see anything, the name of the network will be blank or scrambled, making it very difficult for anyone to break in. The second part of this guide shows you how to use the more secure WPA-PSK encryption system.

Part 2: WPA-PSK

Since WPA-PSK standard is an extension of WEP key technology, its configuration is very similar to the WEP key configuration:

Step1: Setting up your wireless broadband router or access point's WPA-PSK

1. Log into the Access Point using your Web browser. Go to Wireless configuration page (Home→Wireless). Select the WPA-PSK option and ensure it's enabled.
2. Type in a security code that you've chosen. This should be no less than eight characters and should include a mixture of letters and numbers.
3. Press Apply to complete wireless broadband router or access point's configuration.



Step2: Setting up WPA-PSK on your computer's wireless network card

1. Using Windows XP as an example, right-click My Network Places on your desktop and click Properties, or if it's not there, click Start→Control Panel→Network.
2. Select your Wireless LAN Card, right-click on the icon and select Properties. Click on Wireless Network.
3. Select the name of your wireless network (or SSID). Then click Configuration on the right.
4. Under "Network Authentication" select WPA-PSK, and under "Data encryption", select TKIP.
5. Type in the "Network key", which will be same you entered on your wireless broadband router or access point.
6. Press OK to finish your wireless network card's WPA-PSK settings.

That's it! Your computer's wireless network card is now talking to your wireless broadband router or access point. The data travelling across your wireless network is now encrypted, making it very difficult for anyone to snoop, especially when you use the WPA-PSK security standard. There's no excuse for not using your wireless network securely. D-Link urges you to turn on and use your wireless network in a secure manner – today!



108G MIMO: your wireless network on steroids



▶ DI-634M



▶ DWL-G520M



▶ DWL-G650M

Boost your bandwidth with MIMO, the “next big thing” in wireless networking technology.

Ever since the introduction of wireless Wi-Fi networking technology, home and office users have enjoyed the freedom of cable-free computing. Whether in the backyard, bedroom, kitchen or boardroom, wireless technology brings the benefits of the cordless phone to your computer and Internet connection.

And wireless technology just keeps on getting better. The latest standard is known as MIMO, or Multiple-Input Multiple-Output, and describes the new “smart antenna” technology that makes this new standard so compellingly different.

These smart high-gain antennae dramatically reduce “dead spots” and increase the range of your wireless signal by up to an amazing eight times. Now the room at the back of the house or upstairs can be covered where the signal was previously too

weak to get through!

In addition, MIMO technology works at wireless speeds of up to 108Mbps, making it perfect for today’s high-bandwidth applications such as audio and video streaming, online gaming and large file transfers over your wireless network.

Better still, you can take advantage of MIMO technology without needing to replace or upgrade all your wireless equipment, especially if you have laptop computers with Wi-Fi connections already built-in. This is because MIMO technology is backwards compatible with existing 802.11b and 802.11g gear, so you can upgrade your existing wireless broadband router with a new D-Link DI-634M MIMO Wireless Broadband Router.

While you’ll get the best performance by using MIMO technology across the board, your existing 802.11b/g equipment will benefit from the vastly extended range that the DI-634M enables, even gaining an increase

in speed, thanks to MIMO’s superior wireless capabilities.

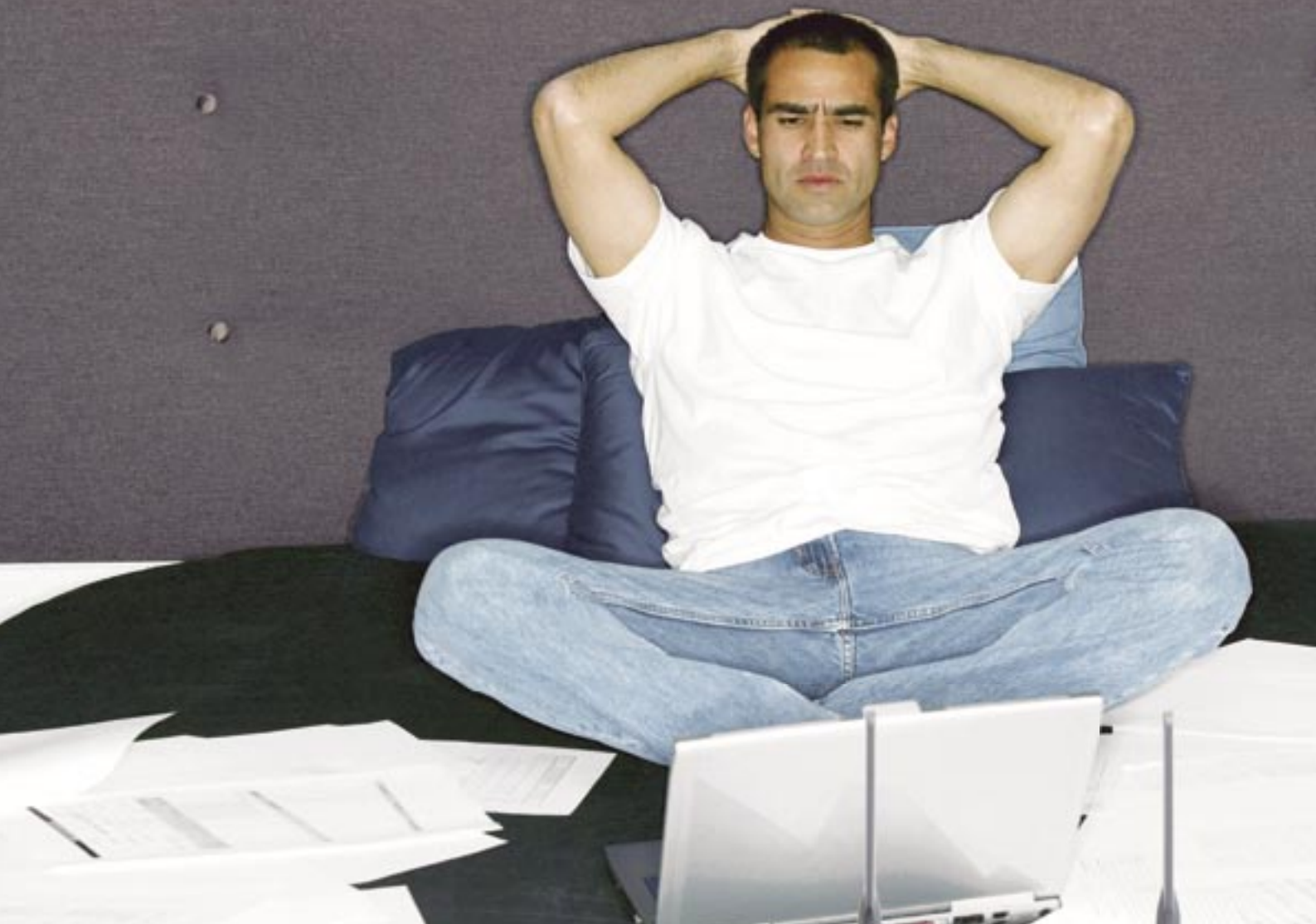
Should you wish to upgrade elements of your existing wireless infrastructure, or replace it completely with new MIMO gear, there are clear benefits. The D-Link DWL-G520M Wireless 108G MIMO PCI Adapter gives desktop computers a robust wireless connection at very high speeds and a greater range than is possible with 802.11b or g equipment.

Laptop computers will benefit from the D-Link DWL-G650M Wireless 108G MIMO CardBus Adapter. It has all of the features of the desktop MIMO card in a credit card-sized laptop package.

D-Link’s 108G MIMO technology gives you “Xcelerated Rates at Xtended Range”. This truly is powerful technology that upgrades your home or office with the fastest and most robust wireless network possible. For wireless nirvana, D-Link’s 108G MIMO range of wireless technology is the answer!

Get strong wireless Super G signal from every corner of your home.

New D-Link Smart Antenna Technology creates wider wireless coverage.



- Share your broadband internet, files and printer
- Enhanced wireless coverage with Smart Antenna Technology
- Up to 108Mb wireless data transfer rates*



DI-634M

The New D-Link MIMO Antenna Technology creates wider wireless coverage

With the new D-Link wireless 108G MIMO (Multiple Input Multiple Output) router, you can create a robust wireless network that boasts powerful performance and extended coverage when used with other D-Link MIMO product(s). You can now deploy the next-generation wireless network with dramatic performance improvements.

Learn more about D-Link MIMO Antenna Technology.

www.dlink.com.au Ph: 1300 700 100 www.dlink.co.nz Ph: 09 356 2158



D-Link[®]
Building Networks for People

* Maximum wireless signal rate derived from IEEE standard 802.11g when used with other D-Link MIMO product. Actual data throughput will vary. Network conditions and environmental factors lower actual data throughput rate.
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Technology guide

AirPlusG
Up to 54 Mbps

High-Speed 2.4GHz 802.11g Wireless Network Solutions

▶01. DWL-G122


New!

▶04. DI-524



▶05. DWL-G700AP



▶02. DWL-G630



▶03. DWL-G510



▶06. DWL-G730AP



▶07. DWL-G120



01. AirPlusG™ 54Mbps Wireless USB Key Adapter

The simplest way to instantly wirelessly enable your desktop or notebook PC. The tiny size makes it ultra-portable. Plugs into a spare USB 2.0 port. Works with 802.11g and 802.11b networks, provides 128bit WEP and WPA security. Very easy to set up and start using immediately.

02. AirPlusG™ 54Mbps Wireless LAN Cardbus Adapter

D-Link's newest ultra high-security, high-speed PC Card Wireless LAN adapter for notebook computers and 802.11g/b networks.

03. AirPlusG™ 54Mbps Wireless LAN PCI Adapter

A high-speed internal PCI Wireless LAN card for desk-

top computers and 802.11g/b networks.

04. AirPlusG™ 54Mbps Wireless Broadband Router

The high speed of this 54Mbps 4 port router ensures smooth and fast bandwidth for streaming, large file transfers and also online gaming-without wires! The perfect companion for D-Link AirPlusG

devices, enabling speeds of up to 54Mbps for high speed wireless data transfer. 802.11g/b compatible.

05. AirPlusG™ 54Mbps Wireless LAN Access Point

Upgrade your existing wired network to wireless 802.11g/b with this Wireless LAN access point. Works with 802.11g/b wireless LAN cards.

06. AirPlusG™ Pocket Wireless Router/Access Point

A pocket-sized, ultra-portable wireless router and access point. Share a network connection wirelessly in a hotel room with a colleague or set up a wireless network so you and your colleagues can share information wirelessly anywhere.

07. AirPlusG™ 54Mbps Wireless USB Adapter

While fully portable, this wireless USB adapter is designed for deskbound desktop and portable computers, without needing to open up the computer case. Compatible with 802.11g/b networks. If ultra-portability is required, the DWL-G122 (see item 1) is the best alternative.

AirPlusXtremeG
Up to 108 Mbps

High-Speed 2.4GHz XtremeG 108G MIMO Wireless Solutions



▶08. DWL-G520M



▶10. DI-634M



▶09. DWL-G650M



▶Performance chart

08. DWL-G520M AirPlusXtremeG™ 108Mbps MIMO PCI Adapter

The DWL-G520M features Smart Antenna Technology. Increased distance and speed when used with the DI-634M. Includes WEP & WPA Security.

09. DWL-G650M AirPlusXtremeG™ 108Mbps MIMO CardBus Adapter

The DWL-G650M features Smart Antenna Technology. Increased distance and speed when used with the DI-634M. Includes WEP & WPA Security.

10. DI-634M AirPlusXtremeG™ 108Mbps Wireless MIMO Router

The DI-634M features Smart Antenna Technology for extended range. Built-in 4-port Fast Ethernet Switch. Includes WEP & WPA Security. Bigpond Cable Client.

Indoor Wireless Antennae



▶ 11. ANT24-0401



▶ 12. ANT24-0600



▶ 14. ANT24-0801

▶ 13. DWL-50AT



▶ 15. ANT24-0700

D-Link antennae are an ideal way to boost wireless network coverage.

11. 4dBi Indoor Ceiling Mounted Antenna

The D-Link ANT24-0401 is an Indoor 4dBi Omni-Directional Ceiling Antenna that provides extended coverage of an 802.11b/g wireless local area network (WLAN).

12. 6dBi Indoor Directional Antenna

The ANT24-0600 comes with a conversion cable that allows connection directly to the wireless access point or wireless router using the reverse SMA connector.

13. 5dBi Gain Dipole Antenna

Helps to improve the transmit rate and extend the transmit distance of

any recent D-Link Access Point or Wireless Router which has a reverse SMA connector.

Note: To ensure a better performance, you should not only improve the RF on transmitter but also that on receiver, i.e. a high-gain card.

14. 8.5dBi Indoor Directional Antenna

A range extender antenna providing output 2 to 2.5 times higher than that of the 2dBi dipole antennas normally bundled with wireless LAN devices. Effectively extending the wireless network coverage area by up to 50%.

15. 7dBi Indoor Directional Panel Antenna

The D-Link ANT24-0700 Omni-Directional 7dBi Indoor Antenna connects

to a variety of wireless routers and access points on the market today. Whether the wireless router or access point has an SMA or TNC connector, the ANT24-0700 comes with a RP-SMA to RP-TNC conversion adapter to accommodate either connector type.

For maximum flexibility in placement, the ANT24-0700 comes with a magnetic base unit with 1.5m extension cable, and a mounting kit. The omni-directional design of the ANT24-0700 offers dramatically increased wireless signal coverage in all directions. With 360° of better signal reception, this high-gain antenna will also improve data throughput at further distances.

Telephone Adapter



▶ 16. DPH-120S



▶ 17. DVG-2001S

16. DPH-120S Broadband Internet Telephone*

The DPH-120S Internet Phone is a full-featured, cost-effective IP telephone that can be easily plugged into your home or office network. The phone is compatible with most VoIP service providers. It operates like a regular telephone, but is made for use with a VoIP phone service.

17. DVG-2001S VoIP Terminal Adapter*

The DVG-2001S Telephone Adapter is a cost-effective, standards-compliant device that can be plugged into your home or office network. It is compatible with most VoIP service providers. It allows you to use your analog telephone on a data network and is especially made for use with a VoIP phone service. Avoid expensive long-distance and international phone toll charges.

* Note: You must choose an Internet (VoIP) Phone Service Plan and sign up for service. VoIP phone plans, rates and features may vary depending on VoIP Phone Service Provider(s). D-Link Australia Pty Ltd, is not a Telephone Service Provider or VoIP Phone Service Provider. Please check the limitations of liability as outlined by your VoIP Service Provider. Voice quality may be affected if large file transfer occurs at the same time. See page 6 for more information.

Home Switches

▶ 18. DGS-1008D



18. DGS-1008D 8-Port 10/100/1000Mbps Switch

Gigabit Unmanaged desktop switch, auto MDI/MDIX uplink, full/half duplex auto-negotiation, flow-control, 16Gbps switching capacity, desktop or wall-mount.

▶ 19. DES-1024DG



19. DES-1024DG 22-Port 10/100Mbps Switch with 2-Port Gigabit

Fast Ethernet Unmanaged Desktop Switch with Built-in 2-Port 1000BaseT Copper Gigabit. Auto MDI/MDIX, flow control, auto-learning of network configuration.

▶ 20. DES-1008D



20. DES-1008D 8-Port 10/100Mbps Switch

Fast Ethernet Unmanaged Desktop Switch. Up to 200Mbps, auto-MDIX, Half/Full duplex support.

01. Wireless ADSL2/2+ Router + Built-in 4-Port Switch

High speed ADSL2/2+ wireless broadband router (up to 24Mbps download speeds*) and 802.11g wireless networking including a 10/100 4-port switch & much more.

02. Fast Ethernet ADSL2/2+ Router + Built-in 4-Port Switch

An ADSL2/2+ high speed* wired router with 10/100 4-port

switch, SPI Firewall, DHCP and more.

03. USB ADSL Modem

A plug and play USB ADSL modem for desktop or notebook PCs. Ideal for upgrading from an analog modem to a high speed ADSL Internet connection.

04. USB/Fast Ethernet Combo ADSL2/2+ Router

A USB and fast Ethernet ADSL2/2+ modem that lets

you connect at up to 24Mbps speeds*. Complete with SPI Firewall, DHCP, and much more.

* Your ISP must support and provide you with an ADSL-2, ADSL-2+ service for these features to be available. This product will operate as a standard ADSL modem when an ADSL-2/2+ service is not available.

ADSL Modems & Routers

▶01. DSL-G604T



▶02. DSL-504T



▶03. DSL-200



▶04. DSL-502T

**05. Wireless 2.4GHz USB 2.0 Print Server**

An 802.11g compliant wireless Print Server with one USB 2.0 port that allows the wireless sharing of a USB printer on a network.

06. Wireless 2.4GHz Parallel Print Server

A wireless 802.11b compliant Print Server with one bi-directional parallel port with Centronics

connector for direct connection to most printers. Easy web browser configuration and supports multiple networking options

07. Multi-Port Two USB 2.0 & Single Parallel Print Server

An 802.11g wireless print server equipped with two USB 2.0 ports and a parallel port for connecting legacy parallel printers

with multiple networking options. With the DP-G321 you can share printers beyond a wired network. Supports TCP/IP, NetBEUI, Apple and Ethertalk.

Wireless Print Servers

▶06 DP-311P



▶05. DP-G310



▶07. DP-G321

**Wired Print Servers**

▶08



DP-300U

▶09



DP-301U

▶10



DP-301P+

▶11



DP-300+

08. Multi-Port Parallel & Single USB Print Server

A compact print server with two parallel ports and one USB port that connects to an Ethernet network, enabling users to print simultaneously from anywhere on the network. Provides seamless connections to printers and offers support for all major network Operating Systems and protocols.

09. Fast Ethernet USB Print Server

A Fast Ethernet print server that allows access to a USB printer on an Ethernet

or Fast Ethernet network. Supports all major network Operating Systems and is easily configured using a Web Browser or Windows(R) based configuration program.

10. Compact Portable Parallel Print Server

A great alternative to software-based printer sharing that eliminates the need to have your printer connected to a host computer. Documents also print faster from the DP-301P+ than from software-based sharing solutions.

11. Multi-Protocol 10/100Mbps Print Server

A multi-protocol print server that makes network connection easy using an Nway connection (RJ-45) which allows the server to be used with Ethernet or Fast Ethernet LANs. Equipped with two high-speed parallel ports, one serial port and one 10/100 Ethernet port. Supports IP, NetBEUI and Apple EtherTalk protocols (including Ethernet and Fast Ethernet). Suitable for shared printing in mixed-LAN environments.

Internet Security Camera



12. DCS-2100G Wireless Internet Camera for Home/SOHO

The DCS-2100G Internet Camera enables remote monitoring of your home or office over the Internet from anywhere in the world. Zoom in for close-up viewing and capture video in rooms with minimal lighting, making it ideal for use at night and with a built-in motion sensor, the DCS-2100G sends e-mail alerts and records video to your hard drive once motion is detected. Also available a wired only version.

13. 802.11g Wireless 2-Way Audio Internet Camera

A fully featured surveillance system that connects to a 10/100Mbps Fast Ethernet or Wireless broadband network using 802.11g. Now offers two way audio allowing you to talk to anyone at your camera site. Uses a CCD sensor for sharp video with lifelike colour, a 4x digital zoom and more.

14. Wireless Home Internet Camera

An entry-level Wireless Internet camera which con-

nects to either 802.11b Wireless or 10/100Mbps Fast Ethernet networks. Also available as the DCS-900, a wired-only version of this camera.

15. Wireless IP Security Camera with Integrated Pan, Tilt, Zoom, Web Server & Motion Detection

The ultimate wireless camera with pan, tilt, zoom, motion detection, a high-quality CCD sensor, remote web control and much, much more. The top of the range.

Audio/Video Converters



16. TV Tuner With Audio/Video Converter MPEG 1/2/4

Attach an antenna and view TV programs on your PC screen (remote control included) and save them in AVI or MPEG formats on your hard disk or CD-R. PAL, NTSC and SECAM video formats are supported. It also allows you to connect your analogue camera, camcorder or VCR to transfer and edit analogue video on your PC. Powered by a USB 2.0 port, it can be used with your notebook on-the-go or with your desktop PC.

17. Audio/Video Converter With MPEG1/2/4 & DivX Compression

An advanced Audio/Video converter that displays and captures video from your analogue camera, camcorder or VCR and transfers it to your PC. With built-in hardware MPEG1/2/4 and DivX encoding, it converts your analogue data, ready to burn to VCR or DVD as a compressed digital file. Powered by a USB 2.0 port, it can be easily connected to either a desktop or notebook PC. The included INTERVIDEO software provides a user-friendly interface for playback, recording and editing.

Home Network Storage



18. USB 2.0 Network Attached Storage Drives with built-in Print Server

A Network Attached Storage (NAS) device that features a 120Gb pre-installed hard drive. Quick and simple installation that requires no network downtime, with more features. Also available as the DNS-300 without pre-installed hard disk.

Gaming Routers

19. DGL-4300 Wireless 108Mbps Gaming Router™

The DGL-4300 GamerLounge Wireless Gaming Router is not only a high-powered wireless router but has high performance Gigabit LAN ports. Featuring GameFuel Priority technology which has been specifically designed to provide a seamless user experience for bandwidth-intense applications like online gaming, multimedia streaming, and Voice over IP (VoIP) applications. GameFuel Priority features a custom traffic routing engine, which automatically prioritises and intelligently manages these bandwidth-sensitive applications. Stay competitive in your game and still have enough available bandwidth to make VoIP calls and enjoy your audio and video streams.



20. DGL-4100 Broadband Gigabit Gaming Router™

All of the features of the DGL-4300, without the wireless connectivity.





Intimidation

never looked so good

Broadband Gigabit Gaming Router

Customised with game-centric features
boasting maximum flexibility for configuration and performance

Enhanced wireless technology
for optimal range and connectivity - up to 108Mbps*

Uninterrupted and latency-free gaming experiences for serious online gamers



DGL-4300

Also available in a non wireless version, model DGL-4100

networking evolved

Push the limits of basic technology and experience the evolution in networking. Wirelessly share broadband Internet, boost network performance, stay competitive in your online games with D-Link's new cutting-edge GamerLounge™ Wireless 108 and 4 Port Gigabit Switch Gaming Router™, powered by GameFuel™ Priority Technology.

Learn more about the D-Link Gaming Router Technology.
www.dlink.com.au Ph: 1300 700 100 www.dlink.co.nz Ph: 09 356 2158



D-Link
Building Networks for People

*Maximum wireless signal rate derived from IEEE standard 802.11g. Actual data throughput will vary. Network conditions and environmental factors lower actual data throughput rate. ©2005 D-Link Australia Pty Ltd. All rights reserved. D-Link™ is a registered trademark of D-Link Corporation. Other trademarks or registered trademarks are the property of their respective owners. DLN022236