Issue 4

D-Lifestyle

Technology solutions & lifestyle magazine   FREE
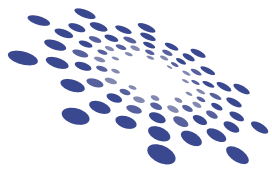
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gotalk™
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D-Link DVG-G1402S

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D-Lifestyle
Technology solutions & lifestyle magazine

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
Issue 4

Making phone calls through your broadband Internet connection has taken the world by storm. Few everyday users would have imagined a decade ago that millions of telephone calls would eventually be made over the Internet, or telephones that could plug directly into your broadband connection. But in 2006, it's not only common, it's turned into a global telecommunications revolution that has even seen some consumers abandon traditional phone lines altogether. And what is the name of this revolution? The name anyone can understand is Internet phone calls, while the technical name is VoIP, or Voice over Internet Protocol. Dial up page 6 to see how easy it is to get started for yourself!

One of the other big developments of the last few years that helps to make life easier and better for millions every day is wireless technology. People are unwiring their homes and their offices, freeing themselves from the shackles of cables. There are plenty of other ways wired and wireless networking technologies can improve your life, too – it's not just for accessing an Internet connection, but these days, so very much more. For inspiration, take a peek at the D-Link Technology Guide starting on page 12 and see the wireless wonders available today for yourself!
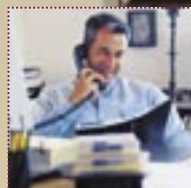
Alex

Alex Zaharov-Reutt

CONTENTS:

Digital lifestyle technologies

Essential tech for the wireless era

▶ DVG-G1402S

A router with phone sockets, too!

D-Link's DVG-G1402S VoIP Station Gateway is a four port Ethernet router with 802.11g 54Mbps wireless capability. It also includes two standard phone sockets that let you connect and transform up to two existing standard telephones into Internet VoIP phones, be they wired or cordless phones that you connect to the unit. It also works

with Internet phones that plug into Ethernet sockets such as the sophisticated DPH-120S deskphone. It comes with QoS (quality of service) technology to dramatically improve voice quality by ensuring voice calls travel through your Internet connection first. See the full story on page 6 to learn how easy it is to set up an Internet phone in your home or office and make big savings on your phone bills!

New Wireless Kits

▶ 1. DWL-922

▶ 2. DWL-923

▶ 3. DWL-925

There's a quick and easy way to go wireless thanks to the latest wireless networking kits from D-Link. Specially designed to save you time and money, there are three kits to choose from, all based on the popular high speed 802.11g 54Mbps Wireless platform.

The first kit, the DWL-922, features the DI-524 wireless router. It operates on the 802.11g standard at 54Mbps speeds. It comes with a DWL-G122 USB 54Mbps Wireless adapter which is suitable for desktop or laptop computers.

The second kit is the DWL-923. This replaces the USB adapter with the DWL-G630, a 54Mbps wireless PCMCIA card for laptop computers.

The third kit is the DWL-925. This kit replaces the USB adapter with the DWL-G510, a 54Mbps wireless PCI Adapter for desktop computers.

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.

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-Lifestyle
Technology solutions & lifestyle magazine

survey 2006

▶ DSM-320RD

▶ DPH-120S

▶ DIS-102

▶ DWL-G520

▶ DWL-G132

▶ DIS-101

▶ DI-624S

Enter the D-Lifestyle survey 2006 and help us to learn how the digital and wireless lifestyle is changing your life. Your feedback will also help us make future issues of D-Lifestyle better and more relevant for you, and by answering our competition question you can be eligible to win all the great D-Link products and services on the right, worth over $1,300. It's an excellent prize pack that will upgrade your digital life with the latest wireless technologies, including a digital media gateway, an Internet phone and more!

There are two ways to enter - either cut out this form and send it to D-Lifestyle Survey, 1 Giffnock Avenue, North Ryde, NSW 2113 Australia or to save time, please visit **www.dlink.com.au/survey** and enter online. The survey closes 15th August, 2006. The winner will be announced on the D-Link Australia website on the 31st of August, 2006. The survey is open to residents of Australia and New Zealand, although the Installation Services are not available in New Zealand.

1. Sex
☐ male ☐ female

2. Age group
☐ Under 15 ☐ 15-24
☐ 25 to 34 ☐ 35 to 49
☐ 50 to 64 ☐ 65 and over

3. Household income (optional)
☐ under 30,000 ☐ 30,000 to 60,000
☐ 60,001 to 99,999 ☐ 100,000 and over

4. Expenditure on wired and wireless networking products
Roughly, how much do you plan to spend on wired and wireless networking products in the next 12 months?
_____

5. Readership
How many people read your copy of D-Lifestyle? _____
Why do you read D-Lifestyle?
_____
_____

6. Magazine pick up
Where do you usually pick up your copy of D-Lifestyle?
_____

7. Purchase location
Where do you primarily purchase wired and wireless networking products?
☐ Retail chains
☐ Independent retailers
☐ Internet
☐ Mail/phone order
☐ Other, please explain

8. Planned purchases
What wired or wireless networking products are you planning to purchase over the next twelve months?
☐ Wired router
☐ Wireless router with 802.11b
☐ Wireless router with 802.11g
☐ Wireless router with a faster 802.11 standard (such as MIMO)
☐ Wireless router of any wireless speed with inbuilt ADSL 2/2+ modem
☐ Wireless LAN access point
☐ PCMCIA wireless adapter
☐ USB wireless adapter
☐ PCI internal wireless adapter
☐ VoIP Internet phone equipment
☐ Wireless Antenna booster
☐ ADSL 2/2+ modem
☐ Wired print server
☐ Wireless print server
☐ KVM switch
☐ Wired security camera
☐ Wireless security camera
☐ Wired gaming router
☐ Wireless gaming router
☐ Wireless router with 802.11b
☐ Other wired or wireless technology, please specify _____
_____

9. Which description best matches your level as a computer user
☐ Beginner
☐ Medium user
☐ Advanced user

10. Competition question
Answer this question in order to be eligible to win a prize (answers can be funny or serious, and will be judged on their creativity to win a prize). What would you like to see in D-Lifestyle in 2006 that would make it a better magazine?
_____
_____
_____
_____
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_____

Name: _____
_____
Email: _____
Street: _____
_____
Town: _____ P/Code:_____
Phone: _____

Prior to a new issue of D-Lifestyle being released we can send out an email newsletter to let readers know a new issue will soon be available. Please check this box ☐ if you do not want to receive this newsletter - (your email address will not be passed to any other party, nor will we send you anything except for our email newsletter). For full terms and conditions, or to enter online please visit **www.dlink.com.au/survey**

Save money with Internet phone calls

Use your broadband connection with the latest D-Link Internet phones and make low-cost calls to virtually any phone number, anywhere in the world! Learn why Internet calls are so popular and what you need to get started, see how easy it is to set up, discover what it costs and get answers to common questions.

If you've been hearing a lot lately about consumers saving big money on their phone bills by making phone calls through the Internet, you've been hearing right! The popularity of making phone calls this way has swept the world with millions of people now happy users. The 'official' name for Internet phone technology is known as VoIP, or 'Voice over Internet Protocol'. VoIP has actually been around for a long time, too – people have been making Internet phone calls for more than a decade. But over the last few years, VoIP technology has vastly matured, not only in voice quality, but in greatly simplified ease of use, compelling millions to embrace VoIP by making and receiving Internet phone calls to other Internet phones, and to regular phones, all over the world, every day.

While you will see references to "VoIP" in the media, in this magazine, on D-Link packaging, on the Internet itself and elsewhere, we'll use the terms 'Internet phone calls' and 'VoIP' interchangeably in this article where appropriate.

How does VoIP compare with a regular phone line?

Thanks to the fast speeds of broadband Internet and thanks to a feature called QoS (Quality of Service) technology built-in to most D-Link VoIP equipment, Internet phone call voice quality now rivals regular phone lines. On a side note, if you're already using VoIP phones or equipment without QoS technology (D-Link or otherwise), you can add a D-Link QoS 'box' to your existing setup to instantly improve the quality of your calls, as this works to 'prioritise' the voice calls on your Internet connection, as it makes sure the voice call is sent before email, downloads or anything else.

Through D-Link's preferred VoIP phone service provider **gotalk** *www.gotalk.com.au*, the price of Internet phone calls has come down to just 9.9c per call, untimed, to any regular home or office landline in Australia, with a number of plans available from a

no monthly cost plan through to a capped plan and a range in between. Making an Internet phone call is no different to the way you make calls using a regular telephone, once you've set it all up - just pick up the phone, dial the number as per normal, wait for someone to answer, and then start talking. And as a handy bonus, if you're calling friends, family, colleagues and others who use the same VoIP phone service provider as you, no matter where they are in Australia or around the world, there's no extra charge to call them at all! It's quite a refreshing change from needing to worry about long distance charges or needing to keep your conversation short – Internet phone calls let you talk as much as you want to at very low prices that give a delightfully refreshing new meaning to the well-known term 'talk is cheap!'

Before you get started

The process of setting up your new VoIP phone line is easier and faster than ever, too. No appointments with phone company technicians are needed, and as your new Internet phone line can literally be installed by you, switched on and ready to go within minutes of arriving home with your new D-Link VoIP equipment - meaning there's no need to wait two weeks or longer for a new phone line to be installed. You can even install two or more VoIP phone lines in your home or office in the same way, making Internet phone technology one of the most versatile and easiest to use yet!

Let's look at what you need to get a new Internet phone line set up at your place in a little more detail, with some step-by-step information to show you how easy the process really is. We'll also try to answer any questions you'll likely have right here in this feature.

Here's what you need:

A. A broadband connection with a recommended minimum download speed of 512Kbps. This can be a cable, ADSL or even a wireless broadband Internet connection.

B. A router with a spare Ethernet port – this is like a four-way power board for your Internet connection. From the picture below you can see what this usually looks like, and there's a good chance you already own one. If so, and there is at least one free (empty) socket, please go straight to section **E** in the column to your right, otherwise please read on below to section **C** where we outline some of the router choices you have.

▶ An example of a four port router

C. If your broadband modem plugs into your computer via a USB connection, please skip to section **D**. If your broadband modem plugs into your computer via a single Ethernet port (and has no spare Ethernet ports) you will need a four port router, with a model such as the D-Link DI-704P, ERP $99.95, as shown below.

With four Ethernet ports you can connect a range of equipment into your home or office network so they can talk to each other and access the Internet as required - and this includes VoIP equipment.

A more sophisticated alternative is the D-Link DVG-G1402S, ERP $299 and pictured below, a four port wireless router that lets you connect up to two existing standard telephones, be they wired or cordless versions. It also works with Ethernet Internet phones as explained further below. Now go straight to section **E** at the top right of the next column.

▶ DVG-G1402S

▶ DI-704P

D. If your supplied broadband modem connects to your computer using a USB cable, you will either need a replacement broadband modem that connects via Ethernet, or better still, you can buy a broadband router (wired or wireless) that comes with a broadband modem built-in, along with a four-port Ethernet router.

An excellent example is the D-Link DSL-G604T (ERP $199.95), an ADSL 2/2+ compliant wireless broadband router with 802.11g wireless and four Ethernet ports as pictured below. You can connect an Ethernet Internet phone or an analogue telephone adapter into this model as explained in section **E** to your top right.

▶ DSL-G604T

E. Now that you have a spare Ethernet port, whether your router already had one, or you needed a new router with spare ports, you need to plug in your telephone. You have two choices. You can connect an Internet phone such as the D-Link DPH-120S (ERP $219.95 and pictured below), a sophisticated deskphone with an array of advanced phone features mirroring those found on advanced office phones, which uses an Ethernet connection (not the standard telephone jack) to plug directly into the spare port on your router. Alternatively, should you wish to use an existing wired or cordless telehone that has a standard RJ-11 phone jack, you can plug an analogue telephone adaptor (ATA) into the spare port of your router. An example is the D-Link DVG-2001S (ERP $119.95) and is pictured below.

▶ DPH-120S   ▶ DVG-2001S

F. An Internet phone account with D-Link's preferred Internet phone service provider gotalk. These are available from a $0 monthly cost, through to $9.95, $19.95 and $29.95 monthly plans. All D-Link VoIP devices ship with an amount of calls included as part of the package. There is also a capped plan available for $49.95 that gives you $100 worth of calls. See ***www.gotalk.com.au*** (or www.gotalk.co.nz in NZ) for full details on the range of VoIP plans available.

What does it cost to make calls?

Depending on the plan you have chosen, calls to any regular landline in Australia cost 9.9c untimed per call, and calls to mobiles are 26.9c per minute. There are no flagfall charges!

Calls to international destinations start from 1.9c per minute with a full list of rates to countries worldwide available. See the gotalk website for full details on local and international call rates.

How to connect and activate your own Internet phone

If you already own a four port router or have purchased one as described in the previous column, setting up an Internet phone line is simple.

1. Plug in a D-Link DPH-120S deskphone into your router using the supplied Ethernet cable or plug in a D-Link DVG-2001S analogue telephone adaptor so you can connect a regular wired or cordless phone.

▶ Plug the DPH-120S deskphone into a spare port on the router

▶ DVG-2001S

▶ Or plug the D-Link DVG-2001S into the router and plug a regular phone into the DVG-2001S

2. Turn the DPH-120S deskphone or the DVG-2001S adaptor upside down to find your pre-assigned gotalk number and password. There is also a serial number on the base of the unit you'll need to enter into the gotalk website.

3. Visit the **gotalk** site at *www.gotalk.com.au/register/10bbvoffer* and click on 'Broadband Voice'. Then click on the D-Link Logo. Now select the D-Link VoIP phone or adapter you have chosen, then enter your gotalk number, the serial number of the device itself and then sign up to one of the gotalk Internet phone plans with your credit or debit card.

4. Wait approximately 6 to 10 minutes, and your Internet phone service is connected and ready to go! This is the standard connection time, but in the busiest periods this could be up to an hour, however you will always receive an email from gotalk advising you when the service is connected. You can now start making excellent value phone calls, to real phones, anywhere in the world.

Instant answers to common questions

Q. I can see that it's easy to set up an Internet phone line, but what if I still want someone to do it for me?
A. D-Link's Installation Services can install your new Internet phone line for you within 48 hours of making a booking. You can visit *www.dlink.com.au* or call 1300 700 100 for more information. D-Link's Installation Services are only available in Australia for now.

Q. What do I do if I don't hear a dial tone after installation?
A. Please check that all cables are correctly plugged in and installed. If so, and there is still no dial tone, please turn off your broadband modem, your router and any D-Link VoIP phone equipment. After at least 30 seconds, turn everything back on, starting with your broadband modem first. Wait at least two minutes for your broadband modem to re-establish a connection, and then pick up your phone and listen for a dial tone. If you still can't hear a dial tone, wait an additional couple of minutes and then pick up the phone again. If there is still no dial tone, please contact D-Link Customer Support on 1300 766 868 for assistance in Australia, or 0800 900 900 for Customer Support in New Zealand.

Q. What happens to my Internet phone line if my broadband service is interrupted?
A. If your broadband service is interrupted, your Internet phone service will also be interrupted. When normal service is restored, your Internet phone service will return to normal.

Q. Can I dial the 000 (in Australia) or 111 (in New Zealand) emergency service number through my Internet phone line?
A. Yes, calls to emergency services numbers will connect through your Internet phone service, however you may need to specify your address or location due to the nature of VoIP technology. If possible, use a regular phone line or your mobile phone to call emergency service numbers.

Q. What if the voice call quality gets choppy?
A. If you are using D-Link (or other) VoIP equipment without QoS (quality of service) technology, please ensure that your Internet connection is not overloaded by large or numerous uploads and downloads - stop any 'big' uploads and downloads while making and receiving calls. If you want to add QoS technology to an existing VoIP setup that doesn't have it, see page 13 for information on the DI-102 Broadband VoIP Accelerator. D-Link technology that has QoS built-in helps to effectively overcome this problem by prioritising voice traffic so it travels over your Internet connection first (before other downloads and uploads), although a totally overloaded connection may still cause choppiness. D-Link recommends a broadband connection with a minimum 512k download speed for the best results.

Q. Where can I find more answers to other questions I may have?
A. Visit D-Link's website at *www.dlink.com.au* in Australia, or *www.dlink.co.nz* in New Zealand, or please contact D-Link Customer Support on 1300 766 868 for assistance in Australia, or 0800 900 900 for Customer Support in New Zealand.

Go wireless in the office

Whether you have a home office, or work in business premises, it's easy to put the latest wireless technologies to work for you. And why not? As you'll see, it's easy to set up and start taking advantage of immediately!

Being free from the shackles of your desk thanks to wireless technology has a range of immediate and desirable benefits. Today's wireless network technology can:

- Help increase your productivity, letting you access information from the Internet, email and internal files from just about anywhere you are with your laptop in your home or office environment, rather than having to wait until you're in front of your deskbound computer again
- Let you connect your desktop and laptop computers without an inbuilt wireless connection using inexpensive wireless network equipment and, especially with desktops, place them where it suits you
- Let you connect a range of wired or wireless devices to the network, including:

  - VoIP Internet phones to save money on business calls
  - Turn wired devices into wireless units, such as printers which can be made wireless with inexpensive wireless adapters
  - Extra storage for you and your staff with one or more hard drives connected directly to the network (by wire, or wirelessly) instead of being installed inside a desktop computer
  - Wired and wireless Internet security cameras that let you keep a 'third eye' on things from virtually anywhere in the world through a web browser

See the D-Link Technology Guide on page 12 for even more devices.

If you already have and use a wired network, you may already be enjoying some of these benefits with wired versions of the devices above, or you may have simply connected one or more computers together to be able to share files and access to resources such as a printer.

But with wireless technology, your network becomes invisible, infinitely more accessible and ever more useful. You can access the Internet wirelessly, or print wirelessly to a printer across the room, or in another room, or do any of the things we mentioned above.

And for those concerned with security, as we all should be these days, security measures to ensure your wireless network is well hardened against intrusion have also improved dramatically over the past few years, giving you the peace of mind you need to trust that your network is used only by you and your staff, or in the case of a home office, even your family.

What are my wireless choices?
Whether you already have a wired network in place or not, one thing that we recommend you have is a broadband Internet connection. As you're likely well aware, this lets you connect to the Internet at high speed, to access information, communicate with others, download files and upload when required.

If you already have a wired network, you likely have a router in place which your broadband Internet service connects to. A router is like a 4-way power board, but instead of giving you more power points to plug power cables into, it lets you connect multiple computers into the network. Most standard routers have four Ethernet network ports, letting you connect four wired Ethernet devices, although larger models with eight ports are also available.

Into one of these Ethernet ports you can plug in what's known as a wireless access point, with the D-Link DWL-G700AP AirPlusG^{TM} 54Mbps Wireless LAN Access Point, seen on the right, being a great example.This is like a base station that starts sending out a wireless signal that your wireless enabled laptops, handheld computers, smartphones and desktop computers with a wireless card installed inside can talk to and share information, access the Internet and more.

D-Lifestyle

D-Link also manufacture wireless routers, and wireless ADSL routers. A wireless router has four Ethernet ports on the back, but also comes with a wireless access point built in so you don't need to waste an Ethernet port by plugging a separate wireless access point in. The D-Link DI-524UP AirPlusG™ 54Mbps Wireless Broadband Router seen here on the right is a good example.

If you already have broadband, you won't need the next item, which is a wireless ADSL router, but it's still good to know about them. These add an ADSL modem in to the mix, letting you to eliminate a separate ADSL modem so you have one box that connects you to broadband, provides wired Ethernet network ports and has a wireless access point built in. The D-Link DSL-G640T Wireless ADSL 2/2+ Router with Built-in 4-Port Switch, seen to the left, is a wireless broadband router that not only supports the current ADSL broadband standard, but also the much faster ADSL 2 and ADSL 2+ broadband standards now available from a growing range of Internet Service Providers.

Once you have turned your network wireless with one of the devices we've just explained, you then need to set it up so that it is broadcasting a secure wireless signal. This involves logging in to the D-Link device in question using your web browser, and going through a wizard-based setup procedure. You also have full control over the setup process letting you or your technical staff delve deeper than the easy-to-use wizard should you desire.

The next step is to set up your other devices to talk to the new wireless signal that is now being broadcast. Laptop computers from the last couple of years are likely to have a wireless connection already built-in, but if your laptop doesn't, or you want to use a faster wireless connection than the one built-in to most laptops, you can either install one of those 'credit card' sized PCMCIA cards that plug into the side of your laptop, such as the D-Link DWL-G630 AirPlusG™ Wireless LAN Cardbus Adapter, seen to the right, or for an even simpler solution, you can plug a wireless USB connector such as the D-Link DWL-G122 AirPlusG™ 54Mbps Wireless USB Key Adapter, seen to the left, into a spare USB socket and access your wireless network that way.

Desktop computers can be upgraded to wireless either by installing an internal wireless card such as the D-Link DWL-G510 AirPlusG™ 54Mbps Wireless LAN PCI Adapter, seen on the right, or if you don't want to open up the case of your desktop computer and want a simpler, yet still just as effective solution, you can also plug in the same wireless USB connector such as the D-Link DWL-G122 AirPlusG™ 54Mbps Wireless USB Key Adapter we mentioned above. With a wireless desktop, you can place it anywhere in the office that suits – not where the network cable reaches to. Whether you're using the PCMCIA card, the USB connector or an internal desktop PCI wireless card, they all come with a CD that has the necessary software to let you securely connect to your wireless network. You'll need to install the software onto your computer and follow the setup procedure, finding the wireless network you've just set up, entering in the security passwords you also set up and then sitting back and surfing wirelessly!

If you have other devices you'd like to make wireless, such as your printer, D-Link has a range of adapters that you'll see on page 14 that let you make your existing wired printer talk, without wires, to your wireless network. See page 12 to 15 for more ideas!

What steps do I take to make my office wireless?

1. Turn your existing wired network into a wireless one, either by plugging a wireless access point in to your wired network, or by replacing your existing router with a wireless router.

2. Log into your new wireless access point or new wireless router using your web browser (easy to follow instructions are included with each model) and go through the setup wizard to start broadcasting a wireless signal. This procedure asks you to give your wireless network a name and goes through other details.

3. Make sure to set up the required password to ensure your wireless network is secure. Write the password down as you will need to enter it when setting up your other devices, otherwise without the password they will not be able to connect to the wireless network - proof that passwords are a great idea!

4. Get your existing wireless capable laptop, or upgrade your existing laptop or desktop with one of the three types of wireless adaptor we explained previously.

5. Install the software to start setting up your wireless adaptor, then let it search for your new wireless network. Enter in the required password. If you have a laptop with wireless already built-in, turn the wireless connection on and ask it to search for available wireless networks. When it finds yours, which you'll recognise because it will have the name you gave it earlier in the setup wizard procedure, double click on it. After a few seconds you'll be asked to type in your password, and it will likely ask you to type it in twice. Once you've done so, you'll be connected to your wireless network!

6. Consider what other devices, from printers to storage and more, could connect to your network, whether by using wires, or preferably, by connecting wirelessly!

See **www.dlink.com.au/wifisecurity** for a more detailed article on ensuring your wireless network is properly set up with strong encryption and security. Otherwise, that's it! You have set up a wireless network in your home office or business and can enjoy all of the tremendous benefits. It really is time to go wireless today.

Technology guide

AirPlusG — up to 54 Mbps

High-Speed 2.4GHz 802.11g Wireless Network Solutions

▶01. DWL-G122 ▶02. DWL-G630 ▶03. DWL-G510

▶04. DI-524UP ▶05. DWL-G700AP ▶06. DWL-G730AP

01.AirPlusG™ 54Mbps Wireless USB Key Adapter
Ultra portable wireless adapter - plugs into a USB 2.0 port. Works with 802.11g/b networks.

02. AirPlusG™ 54Mbps Wireless LAN Cardbus Adapter
Upgrade your notebook's wireless speed or make it wireless for access to 802.11g/b networks.

03. AirPlusG™ 54Mbps Wireless LAN PCI Adapter
A high-speed internal PCI Wireless LAN card for desktop computers and 802.11g/b networks.

04. AirPlusG™ 54Mbps Wireless Broadband Router
Create a wireless network, share a USB printer, use QoS for VoIP Internet calls and more with this 54Mbps 4 port 802.11g/b router.

05. AirPlusG™ 54Mbps Wireless LAN Access Point
Turn your wired network wireless with this Wireless LAN access point. Works with 802.11g/b wireless cards.

06. AirPlusG™ Pocket Wireless Router/Access Point
Share your wireless network anywhere!

AirPlusXtremeG — up to 108 Mbps

High-Speed 2.4GHz XtremeG 108G Wireless Solutions

▶07. DWL-G132 ▶08. DWL-G650 ▶09. DWL-G520

▶10. DI-624S ▶11. DWL-2100AP ▶12. DWL-G810

07. Wireless 108G USB Adapter
Ultra portable USB 2.0 wireless adapter that works at up to twice the speed of 54Mbps equipment.

08. Wireless 108G Cardbus Adapter
Upgrade your notebook's wireless to 108G speeds.

09. Wireless 108G PCI Adapter
Get your desktop computer working at 108G speeds with this internal card.

10. Wireless 108G Storage Router
Share a network connection, Internet access, mulitple USB 2.0 storage drives and printers. Create a web server to share files and more at 108G speeds.

11. Wireless 108G Access Point
Turn your wired network into a 108G wireless nework with this access point.
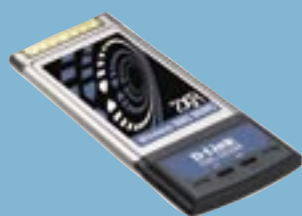
12. High-Speed 108G Wireless Bridge
Convert any Ethernet enabled device such as video games consoles, Ethernet based printers and more into an 802.11g wireless device and enjoy the benefits of wireless! A true plug and play device that requires no configuration.

AirPlusXtremeG — up to 108 Mbps — 2XR Wireless 108G MIMO

High-Speed 2.4GHz XtremeG 108G MIMO Wireless Solutions

Smart Antenna MIMO TECHNOLOGY

▶15. DI-634M
▶13. DWL-G520M
▶14. DWL-G650M
▶Performance chart

Performance¹
Technology — G108: 15x 108Mbps · G54: 5x 54Mbps · B11: 11Mbps 1x

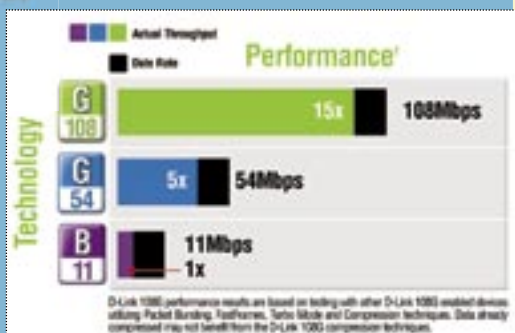**13. DWL-G520M AirPlusXtremeG™ 108Mbps MIMO PCI Adapter**
The DWL-G520M features Smart Antenna Technology. Increased distance and speed when used with the DI-634M. Includes WEP & WPA Security.

14. 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.

15. 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.

Telephone Adapter

▶11. DPH-120S

▶12. DVG-2001S

▶13. DVG-G1402S

▶14. DI-102

11. 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.

12. 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.

13. DVG-G1402S VoIP Station Gateway*
The DVG-G1402S VoIP Station Gateway is an ideal telephone solution for office use. It combines the industry's latest VoIP technology with advanced communication features and is compatible with any phone service. Inexpensive and easy to use, providing the convenience and great savings for companies needing to place frequent long-distance and international business calls.

14. DI-102 Broadband Internet/VoIP Accelerator*
The DI-102 Broadband Internet/VoIP Accelerator enhances your broadband connection so you experience static-free VoIP calls, jitter-free streaming video and lag-free online gaming. 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. For home or office use.

* 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 7 for more information.

Wireless Media Gateway

▶15. DSM-320RD

New!

15. DSM-320RD Wireless Media Gateway
Watch digital media stored on your PC's hard drive through your TV and existing home theatre system! Includes DVD player and memory card reader. Also available is the DSM-320.

Indoor Wireless Antennae

▶16. ANT24-0700

▶17. ANT24-0600

16. 7dBi High Gain Omni-Directional Antenna
Provides high transmission/reception rates for wireless LAN devices operating on the 2.4GHz band. Works with 802.11b/g.

17. 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.

Home Switches

▶ 18. DES-1008D

▶ 19. DGS-1008D

▶ 20. DES-1024DG

18. DES-1008D 8-Port 10/100Mbps Switch
Fast Ethernet Unmanaged Desktop Switch. Up to 200Mbps, auto-MDIX, Half/Full duplex support.

19. 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.

20. 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.

Technology guide

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 note-book 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

▶02. DSL-504T

▶03. DSL-200

▶01. DSL-G604T

▶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 802.11g 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

New!

▶06 DP-G301

▶05. DP-G310

▶07. DP-G321

USB

▶08. DUB-H4   ▶09. DFB-H7   ▶10. DUB-H7

KVM Switches

▶11. DVKM-2K   ▶12. DVKM-4K   ▶13. DVKM-CB

08. 4-Port USB 2.0 Hub, up to 480Mbps speed
The DUB-H4 is a 4-port USB 2.0 hub that lets you connect 4 USB devices to your PC or Mac. Also available in a 7-port USB 2.0 model. Comes with a DC 5V/2.5A external power supply. Pocket-size.

09. USB 2.0/FireWire Combo Hub
A combination USB 2.0 and 1394 FireWire hub that lets you connect four USB 2.0 devices and two FireWire devices and many more if daisy-chained. Comes with a USB and a FireWire cable and must be plugged into both sockets for all ports on the hub to work. For PCs and Macs.

10. USB 2.0 PCI Card
Easily add two USB 2.0 ports to your PC. Great for older PCs without USB 2.0 ports, or for simply adding more ports to your current PC. Supports PC only.

11. Mini KVM Switch Kit for 2 PCs
Easily control 2 different PCs from a single keyboard, mouse and VGA monitor. It includes a 2-port KVM (Keyboard, Video and Mouse) switch, and 2 sets of built-in cables for ready connection to 2 PCs. Home or office.

12. 4-Port KVM Switch
A 4-port KVM switch for controlling up to 4 PCs using a single keyboard, monitor and mouse.

Includes two 6Ft. KVM cables. Use the at-a-glance LED indicators for computer status, hot keys and push buttons for switching between computers and a handy autoscan mode.

13. DVKM-CB Cable Kit
This cable kit allows you to effortlessly connect a computer's monitor, keyboard and mouse to a KVM switch. Keep your office or workspace organised, easy to manage and free of cable clutter.

Internet Security Camera

▶14. DCS-3220G

▶15. DVC-1000

▶13. DCS-2100G

▶16. DCS-5300G

13. 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.

14. 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.

15. Broadband Videophone
A standalone device that works with your broadband connection and your TV, turning the TV into a broadband videophone - no PC required! Instantly make and receive high quality videophone calls (at a smooth 30 frames per second) to anyone else also using a DVC-1000.

16. 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.
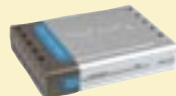
Home Network Storage

▶19. DNS-312H

▶20. DNS-300

▶21. DNS-120

19. 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 **(20)** DNS-300 without pre-installed hard disk, while the **(21)** DNS-120 connects USB drives to your wired network.

Gaming Routers

22. DGL-4300 Wireless 108Mbps Gaming Router™
The DGL-4300 GamerLounge™ Wireless Gaming Router is a high-powered wireless router with high performance Gigabit LAN ports. Featuring GameFuel™ Priority technology which has been specially designed for bandwidth-intense applications like online gaming, multimedia streaming, and 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 streaming media. Also available as the DGL-4100 without wireless.

23. DGL-3420 GamerLounge™ Wireless 108AG Gaming Adapter
A high-performance Gaming Adapter designed to work with DGL series routers.

▶22. DGL-4300

▶23. DGL-3420

Coming Soon !

New!

▶24. DPH-50U

▶29. DPH-540

▶30. DSD-150

▶25. DSL-G804V

▶26. DIR-635

▶27. DWA-645

▶28. DWA-547

24. DPH-50U Skype™ USB Phone Adapter
Make Skype calls using a regular phone.

25. DSL-G804V Wireless ADSL2/2+ VPN Router
Designed for the small office.

26. DIR-635 RangeBooster N™ 650 Router
A very high-speed router based on the new draft 802.11n standard.

27. DWA-645 RangeBooster N™ 650 Notebook Adapter
For notebooks, works with the DIR-635.

28. DWA-547 RangeBooster N™ 650 Desktop Adapter
For desktop PCs, works with the DIR-635.
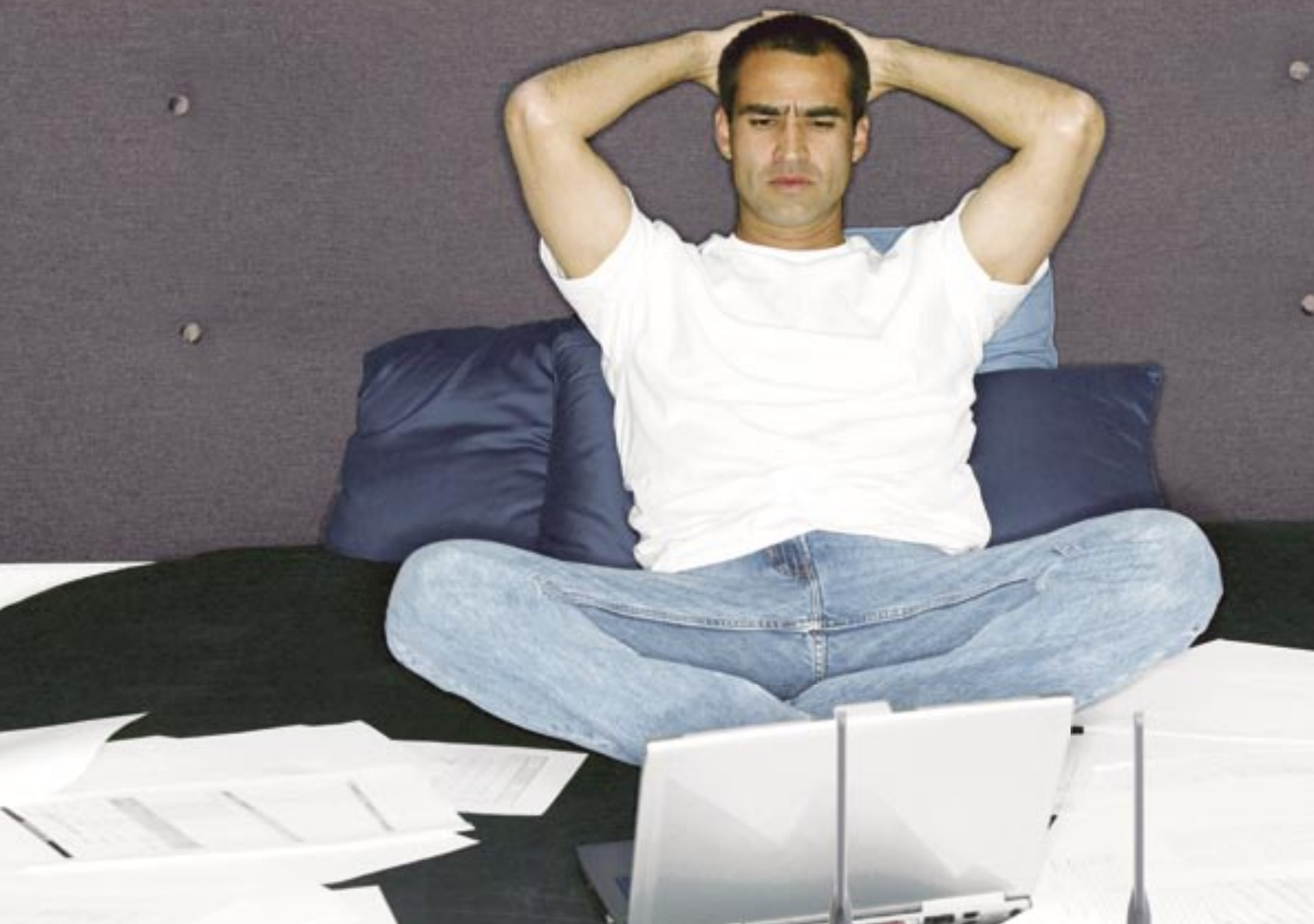
29. DPH-540 Wireless G Flip-Style Wi-Fi Mobile Phone
Make calls through a wireless connection.

30. DSD-150 SECURESPOT™ Internet Security Device
A complete Internet security solution.