D-Lifestyle

Technology solutions & lifestyle magazine FREE

Issue 10

DIY
HOME SECURITY

To keep your house
safe over the holidays

How to go wireless at home

It's easier than you think

Combat global warming

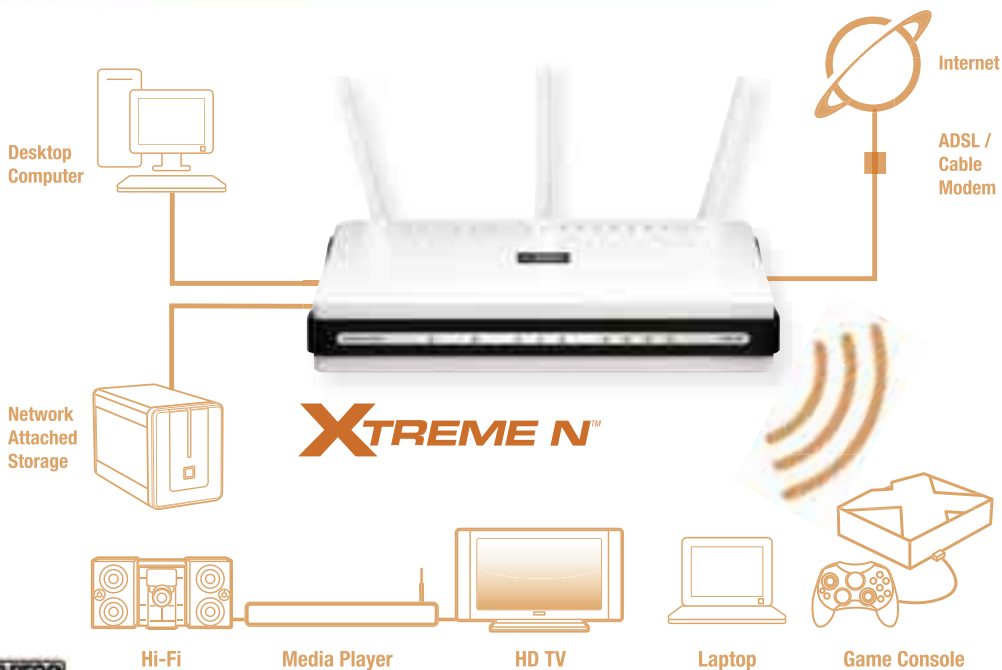
Starting with your home network

D-Link®
Building Networks for People

GET WIRELESS COVERAGE IN EVERY CORNER OF YOUR HOME

THE D-LINK WIRELESS | N ROUTER

The D-Link **DIR-655** wireless high speed router provides high performance on both the local wireless network and the connection to the internet, so you can stay connected throughout your entire home and make the most of sharing the internet with PC's, game consoles, VoIP and media players.



WIRELESS by D-Link | N

SPEED:	Up to 300Mbps*
RANGE:	Up to 300 metres*

** Wireless speed and range will be affected by environmental factors.*

WORKS BEST WITH:

- DWA-140 Wireless N USB Card
- DWA-645 Wireless N Laptop Card
- DWA-547 Wireless N Desktop Card
- Intel Centrino Duo

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D-Link® Building Networks for People

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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.

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Ho ho...home security?

Leaving a house unattended for a couple of weeks over the Christmas holidays is always a bit of a risk due to the rogue element of our community that has a very special type of Christmas shopping list – one with your possessions on it.

Most people would love to have a video home surveillance system installed to guard against this risk, but such systems can cost many thousands of dollars, and may also have crippling ongoing costs for monitoring of the cameras while you're away.

The good news is that although they were once the domain of the rich, in-home surveillance cameras can now be purchased at a very affordable price and installed very easily. There's no wiring needed either – they simply connect to an in-home wireless network. With D-link's free software, you can then monitor them on your PC.

Of course, surveillance cameras are only useful if someone is sitting there monitoring them, right? Not so! The latest internet-connected cameras can monitor for movement and send an email to your mobile phone to alert you that something's going on. You can then watch a video feed right there on your mobile phone. In my mind, it's the next killer use for the internet.

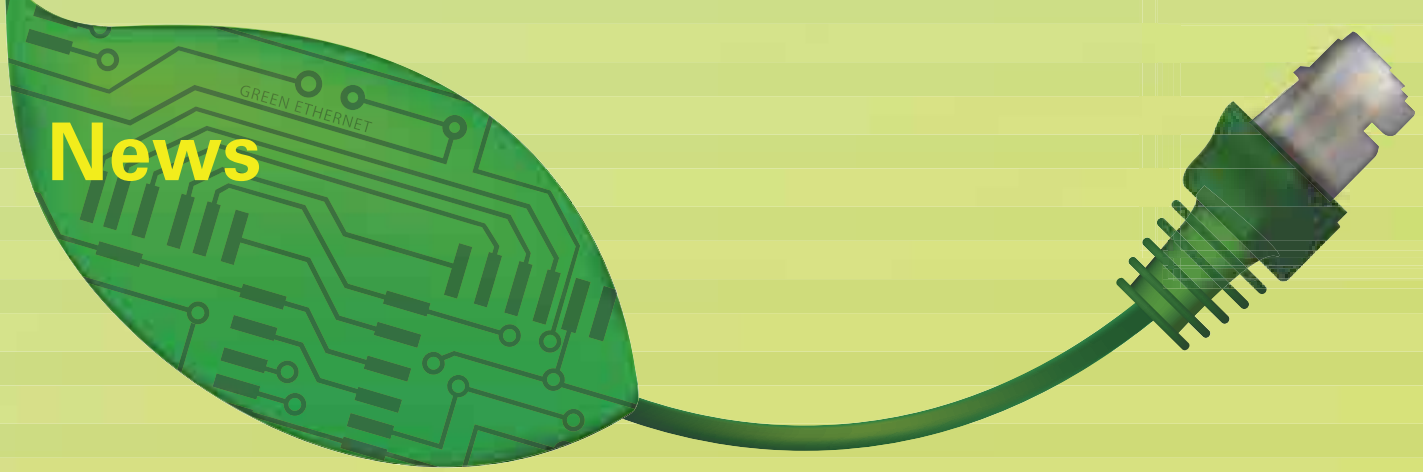
You can read all about how to do it in our DIY home security tutorial on page 10.

Have a happy, safe – and secure – Christmas!

From the Marketing Director
D-Link Australia

Maurice Famularo

News



D-Link tackles global warming with Green Ethernet technology

Are you concerned about global warming and looking for ways to reduce your impact on the environment? D-Link's latest switches can help.

D-Link's latest innovation is network hardware that can reduce energy consumption through the use of "Green Ethernet" technology without affecting network speed.

As Ethernet technology has progressed, Gigabit network speeds have become common, even in many models of home/SOHO routers. But such incredible speeds also means greater power consumption than older models. Now, D-Link has created a way to dynamically scale power consumption up and down depending on real network traffic requirements.

Put simply, Green Ethernet technology monitors the speed at which traffic is flowing through your network, and if it is slower than the maximum speed offered by your router, it reduces the network line speed accordingly, saving power.

It can also sense the line length of Ethernet cables plugged into the router, and if they are short (less than 20m), it will reduce the power output being pumped down the line to the minimum required for good performance.

Finally, if an Ethernet cable is plugged in but the computer it's attached to is switched off, the Green Ethernet technology will detect that and put the port into full standby mode.

It's not the first thing D-Link has done to make its routers more environmentally friendly. The company recently completed an extensive program to ensure every electronic component being used in their network hardware was environmentally friendly, ensuring full compliance with the European Union's RoHS (Restriction of Hazardous Substances) and WEEE (Waste Electrical and Electronic Equipment) directives.

The Green Ethernet technology will appear first in D-Link's SOHO Gigabit switches and will be progressively introduced in other models. This should have significant impact straight away – D-Link sells 3,000,000 SOHO Gigabit switches each year, which is about 30 per cent of worldwide sales.

Money for nothing and your hotspot for free

Everyone likes to make a bit of money on the side – and one of the best ways is by turning a home or small business broadband connection into a hotspot.

Until recently, hotspots have been the domain of large companies that have been able to set up the billing systems and security required, but now a selection of D-link routers come with hotspot capabilities built-in.

The DI-524UP and DIR-300 come with Tomizone software preloaded (switched off by default, of course). Once enabled, people within wireless range of the router can log on and pay $4 a day to use the connection. 50% of that amount is paid to you – so, if you got just one or two people a day using the hotspot, you could be earning back the cost of your broadband connection.

There are safeguards to ensure that hotspot users don't overuse your broadband connection, too – there's a 160MB per day usage limit, or 1.6GB on a weekly pass.

The really clever part of the service is that Tomizone handles all the billing and security – customers can pay by credit card or PayPal and it's all processed through Tomizone's secure servers. You just get a consolidated payment from Tomizone for all users' access fees periodically.

Because the Tomizone service is built into the router, your network is separate and secure from the hotspot users, too, so you don't have to worry about the risk of people accessing computers on your network.

People who are travelling can find Tomizone hotspots before they set off by going to www.tomizone.com, which makes it easier for people to find you.

If you're a small business owner with a shopfront, or simply someone who lives in a spot with a lot of people nearby such as nearby a park, shopping centre or apartment complex, you could be making money from a Tomizone hotspot right away!

greenethernet

▶26. DHP-300

A pair of these DHP-300 adaptors allows you to run a home network connection over your existing electrical wiring. They plug into a normal three-pin powerpoint.

▶DGS-1005

The Green Ethernet edition of the DGS-1005 dramatically reduces energy consumption.

▶DI-524

▶DIR-300

Add a DI-524 or DIR-300 wireless router to your existing modem and you'll have an instant WiFi hotspot you can earn money from.

Powerline networking: the missing link

Last issue we looked at how to install the ideal home network if you're building or renovating. But what if you've got an existing home, and it's a tricky size?

Extending your home network throughout a large house, or one with thick walls that block WiFi signals, isn't always easy – Ethernet cabling is expensive to have installed into existing wall cavities, and even with the best wireless technologies, there may be places where wireless can't go, especially if you have a tall or long house.

There's one more networking solution that doesn't get a lot of airtime – networking over your home electrical wiring. Don't confuse this with what you may have heard about the problems electricity utilities have had with delivering broadband over street powerlines – this is a distinctly different technology.

Home powerline networking works within your house only and uses the relatively simple electrical wiring that runs between the power plugs in your home.

How does it work?

A powerline networking adaptor has a three-prong Australian electrical plug – just like any other electrical appliance – through which the network signal is sent. There's also a standard Ethernet port in each powerline adaptor, and you can plug your computer into it.

Because powerlines are inherently "noisy" communication environments (a toaster switching off its elements will cause a pop on the line, for example) powerline network adaptors split the signals into many different frequencies which are transmitted simultaneously, and also use digital error correction technologies (similar to those CD players use to cope with lightly scratched CDs).

The result is network throughput speeds of up to 200Mbit/s. This is a theoretical maximum speed – the realistic speed is around 40-100Mbit/s, depending on the length of wiring you are transmitting over and other factors. However, with the best ADSL in Australia topping out at around 20Mbit/s, this is still ample network speed.

Adding powerline networking to your network

D-Link's DHP-300 powerline networking adaptor is an ideal way to extend the range of your home network. You'll need at least two adaptors – one to connect to your existing home modem/router, and one at the other end – upstairs, at the other end of the house, or in your shed!

For maximum convenience, you could also connect an inexpensive wireless access point like the DWL-G700AP, which can be connected to the powerline network adaptor at the far end to create a convenient wireless access zone.

Won't my neighbours be able to plug in to my network?

A common concern for people getting started with powerline networking is that since they are connected to the neighbourhood power grid, people in another home will be able to plug in a powerline networking adaptor and connect to their home network.

This is not the case – although there is a small potential for signal leakage out of your house and into the electricity network (unlikely, given the heavy-duty transformers attached to Australian power poles), powerline networking adaptors use encryption, so that only adaptors that are matched up to each other are able to communicate.

D-Link's powerline networking adaptors come pre-configured with encryption enabled, so all you have to do is plug them in to two power-points and they'll be able to talk to each other. If you want to add more adaptors, you can; you just have to use their Web-based configuration menu to add the network encryption details.

How to go wireless at home

Still got a modem that you plug into to get online? It's easy to go wireless so you can use a laptop anywhere in the house, connect game consoles, and more.

It's an unfortunate fact: the vast majority of modems sent out by ISPs to new broadband customers are basic single Ethernet port models with no wireless. Those modems are cheap to buy, but not very convenient when it comes to connecting more than one computer to the net.

The good news is that it's very easy to add wireless to your existing modem, and it doesn't cost much. All you need is a wireless router – a box that you connect to your modem. The wireless router performs two tasks: providing a wireless network in your home, and sharing the internet connection among multiple computers.

If you already have a modem with internet connection sharing built in, it may be more appropriate for you to buy a simple wireless access point, which provides one function only – providing the wireless network. When you go to buy your wireless router, write down the brand and model number of your modem and take it to your retailer – they should be able to advise whether a wireless router or a wireless access point is more appropriate for you.

Choosing a wireless speed

The other choice you'll need to make in setting up a wireless network is what network speed you need. There are various options: 802.11g (D-Link AirPlus G) – a maximum speed of 54Mbit/s, enhanced 802.11g (D-Link AirPlus Xtreme G) – max speed of 108Mbit/s, and 802.11n (D-Link Xtreme N), which provides up to 200-300 Mbit/s. Those figures are all theoretical maximums – more realistically, you can expect to achieve 30 to 50 per cent of those speeds in real world usage.

If all you want to do is share an internet connection around the home, 802.11g is fine in most circumstances. It has the added convenience of being built into most laptops, so no extra hardware is required – though you'll probably need to buy a wireless card for each desktop PC.

If you have an interest in downloading or watching videos on the internet, though, 802.11g won't necessarily offer enough network speed – especially if you want to copy large video files from one computer to another on the home network, and with the fastest broadband connections such as 30Mbit/s cable internet or 24Mbit/s ADSL2+, 802.11g may not provide enough speed.

The other two options – enhanced 802.11g and 802.11n – both provide enhanced speeds, and are available in versions that also offer increased wireless range. You'll need to buy matching cards for your laptop and desktop PCs in order to get maximum performance. If you don't do that, you'll still be able to connect to the network, but the whole network speed will drop back to the lowest common denominator. For example, if you have five computers with matched cards and one with a basic 802.11g card, the whole network will drop back to 802.11g speed.

Connecting game consoles and printers

The simplest way to connect anything to a home network is by plugging it in to a home modem/router via an Ethernet cable. But for certain types of devices – game consoles particularly – it's not necessarily convenient to have them located near the router.

A wireless Ethernet bridge such as D-Link's DWL-G810 can help here – it effectively turns the Ethernet port on your game console into a wireless connection.

These bridging devices also work well with printers that have an Ethernet connection. If your printer only has USB, you could consider upgrading to a newer model printer with Ethernet. Lexmark's e120n laser printer can be purchased for less than $200 and includes Ethernet networking. Coupled with a wireless Ethernet bridge, it's an ideal shared printer that can be put in the house anywhere convenient – even in a cupboard, out of sight.

Wireless signal's not getting through?

Although modern wireless technologies are very effective at penetrating different types of building structures – especially the new 802.11n networking which uses multiple frequencies at once to avoid barriers – it can still be blocked by thick walls or metal frameworks in buildings.

In some areas, especially apartment complexes, there may simply be so many competing signals in the same frequency range such as cordless phones and microwave ovens that wireless signals may not be strong enough.

You can boost the signal from your WiFi access point or router by buying a higher power antenna that plugs in to the modem. D-link sells a range of antennae including the ANT24-0700 which can provide up to half a kilometre of WiFi range.

If your modem is D-link the antennae will connect easily (it's a simple matter of unscrewing the antenna supplied with the modem and screwing the new one in) but if you have a different brand of modem, consult your retailer to find out what the best option for you is.

For people with outdoor coverage requirements, D-link sells antennae that can provide up to 18KM range.

▸24. ANT24-0700

- Plug this external antenna into your D-link modem to get a significant coverage boost (up to 500m).

▸24. DWL-G810

- This DWL-G810 wireless Ethernet bridge unit lets you connect any device with a standard Ethernet port (like a printer or game console) to a wireless network.

Good deal: go wireless cheaply

If you have a standard modem and want to go wireless, D-link has a good deal: the DWL-925 pack provides a wireless access point and 802.11g card for your desktop PC ideal for entry level wireless networks.

WiFi vs Wireless Broadband – what's the difference?

Lots of people get confused between "wireless broadband" and "wireless networking" – can you blame them? With so many ISPs now offering "wireless broadband", a lot of people think they need to get it in order to use their laptop wirelessly at home. Nothing could be further from the truth.

Basically, wireless broadband is a city-wide network with the broadband signal transmitted wirelessly to your home, instead of via a home phone line or pay-TV cable. Ironically, if you subscribe to wireless broadband, chances are that you'll actually have to plug in to the modem at home in order to connect – you won't be free to move around the house with your laptop wirelessly.

Home WiFi, on the other hand, is a wireless network within your home. Your broadband connection comes into the property via the home phone line or pay-TV cable, and a WiFi access point or router rebroadcasts the signal around your home wirelessly. With WiFi, you can connect any WiFi-compatible device to your home modem without having to bother with plugging in. It's particularly useful for laptop users.

That said, if you do decide to get wireless broadband (the city-wide type) such as Unwired or iBurst, you may be able to connect your modem to a wireless router or access point at home to get in-home wireless as well. Ask your wireless broadband provider for confirmation, but as a rule of thumb, any modem with an Ethernet port can generally be made wireless easily. The exception is Telstra BigPond Wireless, which did not offer a modem with Ethernet built in at the time of writing.

Holiday Gift Guide

Looking for the perfect gift this Christmas? Forget the wine racks and candles! Why not buy something that people will keep, use and, most of all, love? We've collected some great networking gear that will make life easier for everyone. Whether you're after a gift for someone else or even yourself, these products are sure to impress.

DIR-615

DIR-635

DIR-655

WIRELESS HOME NETWORKING

DIR-615 WIRELESS N ROUTER

Give the gift of a secure wireless home network with the DIR-615 Wireless N Router. Users can connect this router to their cable or DSL modem and share high-speed internet with computers, game consoles, and media players from greater distances around the home.

With speeds of up to 300Mbps D-Link Wireless N is perfect for wireless sharing of photos, music, video and digital media streaming on the home network and the internet.

With high speeds, extended range and elimination of dead spots the D-Link Wireless N Router utilises multiple antennas to bounce radio waves off walls and around household obstructions.

Prevent unauthorised access over the wireless network and from the internet with the latest security features. Support of WEP, WPA, and WPA2 standards ensures use of the best possible encryption and dual active firewalls (SPI & NAT) to stop attacks from the internet.

Additionally the DIR-615 is backwards compatible with 802.11b/g devices but for best wireless performance consider a D-Link Wireless N adapter.

DIR-635 RANGEBOOSTER N 650 ROUTER

For those with a medium to large sized house the RangeBooster N 650 is an ideal gift, offering superior complete home wireless network coverage and eliminating dead spots.

High speed internet can wirelessly be shared across the house to anyone on the network simply by connecting a cable or DSL modem to the Wireless N Router. A great idea for the family home!

The RangeBooster N 650 is also great for using with VoIP phones, featuring an award winning QoS engine that enhances sound quality of VoIP phone calls.

The DIR-635 RangeBooster N 650 Router provides total network security, preventing unauthorised access over the wireless network and from the internet. Supporting WEP and WPA standards ensures use of the best possible data encryption and dual active firewalls (SPI & NAT) prevents potential attacks from the internet.

WIRELESS LARGE HOME & SMALL OFFICES NETWORKING

DIR-655 XTREME N GIGABIT ROUTER

Independently tested the DIR-655 is the best in its class. Feature packed the Xtreme N gigabit router can achieve speeds of up to 14 times faster and up to 6 times greater range than wireless 802.11g.

Featuring Intelligent QoS technology the DIR-655 analyses and separate's traffic into multiple data streams. Data is then prioritised by the WISH Stream Engine to improve quality of wireless communication of time-sensitive traffic such as VoIP, online gaming and multimedia streaming.

Ideal for large houses and small offices the DIR-655 features advanced network

▶ DNS-323

▶ DGL-4500

▶ DCS-2120

security to prevent unauthorized access over the wireless network and from the internet. Supporting WEP, WPA, and WPA2 standards ensures the best possible encryption. Additionally the Xtreme N Gigabit Router utilises dual active firewalls (SPI & NAT) to prevent potential attacks from across the internet.

NETWORK ATTACHED STORAGE

DNS-323 two bay network attached storage (NAS) box

A perfect gift for anyone with a computer is the multi award winning DNS-323 NAS box, with so many functions everyone can benefit from having one. A great gift to give to home users to share and store large amounts of digital media such as video, music, and photo's in addition to other data files all in one convenient location.

The NAS box allows sharing of data over a local area network (LAN) and over the internet remotely. With the ability to act as an FTP server, users can securely access data stored in the NAS box via the internet making it excellent for people on the go (no more having to worry about leaving USB flash drives at home).

Another great feature of the DNS-323 NAS box is its ability to set up the 2 SATA hard drives in 4 different modes (standards, JBOD, RAID 0 & RAID 1). For example setting the hard drives to RAID 1 mode is ideal for extremely important data storage such as backups. RAID 1 mode mirrors the 2 hard drives and will recover a hard drive if one fails without any interruptions. Effectively this NAS box can be easily set up to the user's specific needs.

Additionally the DNS-323 can be used to stream digital media to UPnP AV media players and view them on the TV, allowing the whole house to share and watch movies stored on the NAS box. However the DNS-323 NAS box is not just for the home user - it can be used by small offices. It has the ability to create folders only accessible to designated work groups and secure folders for valuable data such as employee information.

ONLINE GAMING

DGL-4500 Xtreme N Gigabit Gaming Router

Built specifically for online gaming the DGL-4500 is the perfect gift for every gamer whether they play on a PC, Xbox or a Playstation.

For optimal wireless performance the DGL-4500 features Xtreme N Duo technology allowing users to select 2.4 or 5GHz band and find the channel that suits their environment best.

Online gamers can finally eliminate their number one enemy – lag. By simply customising network settings gaming traffic can be prioritised and lag eliminated.

Additionally the DGL-4500 features a network activity display to provide users an off screen display of the routers activities.

INTERNET CAMERA

DCS-2120 Wireless Internet Camera with 3G

This funky little camera packs large features and offers stacks of benefits to both consumers and small business users.

Allowing remote monitoring of the home or office from anywhere within a mobile's 3G coverage the internet camera offers flexibility and convenience.

Additionally with the ability to stream back to a PC the DCS-2120 can record straight to a NAS device such as the DNS-323.

Providing excellent video with a resolution of 640x480 at up to 30fps the camera can capture video in rooms with very low levels of light. Additionally the DCS-2120 features 4x digital zoom making it a potent surveillance s olution. Combined with the included IP surveillance camera management software users can manage up to 16 compatible cameras and set up motion detection to trigger recording and email alerts.

With loads more features DCS-2120 is a great gift idea for the small business owner or the person who wants to keep an eye on their valuables.

DIY home security

CCTV security cameras that once cost thousands to get installed in a home are now within everyone's reach. We'll show you how easy it is to set them up.

There are plenty of reasons why people want security cameras in their home – but until recently, it's been the domain of high-flying corporate execs and celebrities. Ironically, most of these expensive security systems use analogue TV cameras and videotapes that need to be switched over – hence all those news stories about security systems that "weren't working" at the time of break-ins. Digital, internet-based surveillance systems provide far better quality video, at a lower price – and you can install them yourself.

Now regular people can get inexpensive internet-connected cameras and monitor them remotely. Imagine being able to log in and check what's happening at home from work or while on holidays, or check on the baby from another room. You could even have video recording running, providing video evidence for the police of thieves breaking into your home. With multiple cameras dotted around a property, you can keep an eye on things and put together a sequence of events as they happen.

The latest camera models provide clear, high-resolution video, and can even be remotely controlled from a web browser, providing pan, tilt and zoom, rather than a single fixed view. The models that have two-way sound can do double-duty as webcams as well – ideal for catching up with friends and family who are too far away to see in person.

Rather than have a security company monitor your cameras, the latest models can simply send an email to your mobile phone when they detect movement in a room. Some allow you to log in via your mobile and watch video right on your phone's screen.

Designing your home security system

First up, you'll need an internet connection, and it'll need to be broadband in order to get acceptable video quality over the internet. Choosing your connection type is important too – the basic broadband services offered by most ISPs have fairly poor upload speeds, which is the key factor if your cameras are sending video to you over the internet. The best type of broadband for this is ADSL2+, as it offers a full 1Mbit/s upstream speed. Visit www.ADSL2exchanges.com.au to see which providers offer ADSL2+ in your area.

Secondly, you'll need a wireless router that offers good network speed and range, so that you don't encounter video glitching over the wireless network. D-Link's AirPlus Xtreme G routers are good for this – and if your property is particularly large, consider getting one of the MIMO models. They're slightly more expensive but use multiple antennae to achieve greater range.

Then you'll need to choose your camera – or multiple cameras if you're after a comprehensive surveillance system.

A great choice is D-Link's DCS-6620G, which is a wireless camera with 10X zoom, two-way audio, motion detection, the ability to record in low light, to email you if it detects motion, to record video onto your PC's hard drive, and live streaming of video for remote monitoring over the net. It comes with software that lets you monitor up to 16 cameras at once, and you can take freeze-frame snapshots of what's going on. The resolution is terrific – and because it does MPEG-4 video compression, video of the internet is very smooth.

If you want to be able to monitor your home via your mobile phone, the unique DCS-2120 can stream video directly to a mobile phone screen over the internet. As long as your mobile can support playback of 3GPP internet video (using PacketVideo or RealPlayer mobile phone software, for example) you'll be able to watch live streaming video. Of course, you can also watch it via a computer web browser, which will be significantly cheaper than accessing the net over your mobile phone network.

If you don't want to fill up your home PC's hard drive with video, you could buy a network storage unit, too. D-Link's DNS-323 is a networked storage unit that can accommodate two hard drives, which are shared over your home network. Because there are two hard drives, there's also added security – one hard drive backs up the other, so even if one fails, you won't lose your security surveillance video.

Top 10 internet surveillance tips and tricks

1. Light

Having some lights on in the house is not only a good deterrent for thieves, but it will make your recorded video easier to see.

2. Don't forget outdoors

Because most of D-Link's internet cameras are wireless, there's no reason they can't be mounted outdoors – anywhere you can connect them to a power plug. For areas exposed to rain, ask your D-Link retailer about outdoor mounting housings.

3.Motion detection

The motion detection capability of D-Link's cameras means you don't have to worry about checking in to your cameras if you're on holidays – they will contact you if there's movement detected.

4. Email on your mobile phone

If you don't have email capabilities on your mobile phone to receive motion sensor alerts, check out Mobile GMail – it's free of charge and runs on most mobile phones. Go to www.gmail.com/m

5. Room to move

Don't put your cameras hard up against a wall – you're blocking out 180 degrees of view! With the pan and tilt feature of D-Link's cameras, you can get a wide view from a central vantage point.

6. Get a domain name

Getting access to your home security cameras means you need to know your home internet connection's IP address – a number like 153.254.122.91. It's far easier to sign up for your own domain name (about $US8 a year through a service like godaddy.com) and a free dynamic DNS service (like dyndns.org) which links your domain name to your home IP address. That way, you can just type *"robshomecameras.com"* – or similar – into any web browser to get a view of your home.

7. Change the password

Don't forget to change the default password on the camera, so that other people can't log on and see what's going on in your home!

8. Port forwarding

You might need to make some small configuration changes to your home modem/router's setup to allow access to your camera from the internet – it's called "port forwarding". One article that does a good job of explaining how it works is at *http://tinyurl.com/2fa9u7*

9. Check wireless network security

Make sure your wireless network is running in secure mode, with WEP or WPA/WPA2 encryption, lest you give your neighbours full control of your internet surveillance camera. Also, if your network uses the newer WPA or WPA2 encryption, make sure the camera you buy supports it.

10. It's not just about surveillance

D-Link's internet cameras are webcams too. And one camera, the DVC-1000 Broadband Videophone, sits flat on top of a TV and allows any TV to be turned into a high quality video phone – without a computer!

▶15. DCS-2120

▶15. DCS-6620

- You can monitor the video feed from the DCS-2120 camera on your mobile phone.
- The DCS-6620 wireless security camera can even capture good video in low light.

Technology guide

▼ Wireless G | good

High-Speed 2.4GHz 802.11g Wireless Network Solutions


▶02. DWL-G630


▶04. DI-524

▶05.DIR-300


▶01. DWL-G122


▶03. DWL-G510

01.AirPlusG™ 54Mbps Wireless USB Key Adapter
USB 2.0 wireless adapter for 802.11g/b networks.

02. AirPlusG™ 54Mbps Wireless LAN Cardbus Adapter
A wireless PC card to access 802.11g/b networks.

03. AirPlusG™ 54Mbps Wireless LAN PCI Adapter
An internal PCI wireless card for desktop computers and 802.11g/b networks.

04. AirPlusG™ 54Mbps Wireless Broadband Router
Create an advanced wireless network with USB and QoS for VoIP.

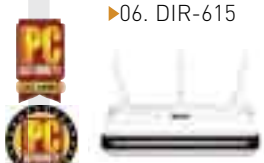
05. DIR-300
Wireless G and four-port 10/100 Ethernet router with Green Ethernet technology built in.

▼ Wireless N | best

Do you feel the need for speed? Wireless N transfers data at speeds of up to 650% faster than standard 54G equipment with greater range than ever before. Based on the 802.11n draft standard, you can attain speeds even faster than 100Mbps wired Ethernet networks.

Works with Windows Vista™

▶06. DIR-615


▶ 07. DIR-655


▶ 08. DIR-635

▶ 09. DWA-645


▶ 10.DWA-547

06. DIR-615 Wireless N Broadband Router
Create a wireless network to share high-speed Internet access with computers, game consoles, and media players from greater distances around your home.

07. DIR-655 Xtreme N Gigabit Router
D-Link's best wireless router ever using the latest Draft N standard for even faster wired and wireless speeds than with the DIR-635 RangeBooster N below!

08. DIR-635 RangeBooster N 650 Wireless Router
The wireless router you need to create D-Link's superfast wireless network in your home or office.

09. DWA-645 RangeBooster N 650 Notebook Adapter
For portable computers, this card works with the RangeBooster N router to deliver faster speeds and greater range.

10. DWA-547 RangeBooster N 650 Desktop Adapter
Desktop computers can also benefit from the massive speed and range of the RangeBooster N solution. Put your desktop computers where they suit you - the triple antenna ensures you get coverage where you need it.

▼ Wireless 108G | better

High-Speed 2.4GHz XtremeG 108G Wireless Solutions

▶11. DWL-G132

▶12. DWL-G650


▶13. DWL-G520


▶14. DI-624S

The 108G solutions transfer data at up to twice the speed of standard 802.11g equipment.

11. Wireless 108G USB Adaptor
A USB 2.0 wireless adapter for notebooks and desktops.

12. Wireless 108G Cardbus Adapter
A wireless PC Card adaptor for notebooks.

13. Wireless 108G PCI Adapter
An internal wireless adaptor for desktops.

14. Wireless 108G Storage Router
Share a network connection, Internet access, multiple USB 2.0 storage drives and printers. Create an advanced, high speed wireless network in your home or business.

▼ SecureSpot DSD -150

SecureSpot Internet Security Device

One small box. Total Network Security.

15. SecureSpot DSD -150


▶15. DSD -150

D-Link's SecureSpot Internet Security Device (DSD-150) is a complete all-in-one Internet security solution that provides several key features including network protection, firewall protection, virus protection, spyware protection, identity theft protection, pop-up blocker, SPAM blocker and parental control - all in a palm-sized box. Provide around-the-clock protection for your data and personal information with the SecureSpot Internet Security Device. Protects up to four computers out of the box, with the ability to easily buy more licenses if required.

▼ green ethernet

▶16.DGS-1005

16. DGS - 1005
5-port gigabit Ethernet switch with Green Ethernet technology to dramatically cut power consumption.

Voice Over Internet

17. DPH-C160S | 18. DVG-2001S | 19. DVG-G1402S | 20. DI-102 | 21. DVA-G3340S





Solutions for making phone calls over the Internet using VoIP

17. DPH-C160S Cordless Internet Telephone*
A full-featured cordless phone that works with normal and Internet phone lines at the same time! Compatible with most VoIP telephone service providers.

18. DVG-2001S VoIP Terminal Adapter*
Plug in your existing corded or cordless analog telephone and use to make Internet phone calls.

19. DVG-G1402S VoIP Station Gateway*
This wireless router allows 2 regular analogue handsets to be used to make calls over the Internet while sharing a broadband connection.

20. DI-102 Broadband Internet/VoIP Accelerator*
Uses QoS technology for static-free VoIP calls, jitter-free streaming video and lag-free online gaming by prioritising bandwidth-sensitive packets so that they can be sent over the Internet as soon as the request is made. Upgrade your existing VoIP equipment to take advantage of QoS.

21 . DVA-G3340S Wireless ADSL2+ Triple Play Router*
This wireless router combines an ADSL2+ modem and allows 2 regular analogue handsets to be used to make calls over the Internet while sharing a broadband connection. (includes ADSL modem).

* 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.

Wireless Kits


22. DWL-922

22. AirPlusG™ 54Mbps Wireless USB Kit
This new kit 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.


23. DWL-923

23. AirPlusG™ 54Mbps Wireless Laptop Kit
The second new kit is the DWL-923. This replaces the USB adaptor with the DWL-G630, a 54Mbps wireless CardBus Adaptor for laptop computers.


24. DWL-925

25. AirPlusG™ 54Mbps Wireless Desktop Kit
The third new kit is the DWL-925. This kit replaces the USB adapter with the DWL-G510, a 54Mbps wireless PCI Adapter for desktop computers.

Wireless Media Player


26. DSM-320RD

26. 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


27. ANT24-0700

28. ANT24-0600

Increase the range of your 802.11b/g wireless network

27. 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.

28. 6dBi Indoor Directional Antenna
Connect this antenna directly to the wireless access point or wireless router using a reverse SMA connector.

Technology guide

ADSL Modems & Routers

01. Wireless ADSL2/2+ Router + Built-in 4-Port Switch
An ADSL2/2+ wireless broadband router (up to 24Mbps download speeds*) with 802.11g wireless networking, a 10/100 4-port switch & much more.

02. Fast Ethernet ADSL2/2+ Router + Built-in 4-Port Switch
ADSL2/2+ wired router with 10/100 4-port switch, SPI Firewall, DHCP and more.

03. RangeBooster N ADSL/ADSL2/2+ Modem Router
Combine high-performance 802.11n wireless networking with ADSL 2/2+ speeds!

04. Wireless ADSL2/2+ VPN Router
High-speed wireless router with VPN designed for business usage.

* 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.


▶02. DSL-504T


▶03. DSL-2740B


▶01. DSL-G604T


▶04. DSL-G804V

Wireless Print Servers

Turn your wired printers wireless!

05. Wireless 2.4GHz USB 2.0 Print Server
An 802.11g wireless Print Server with one USB 2.0 port that lets you share a USB printer on the network.

06. 10/100Mbps Print Server with USB Port for Printer Connection
This print server lets you share a USB printer on the network.

07. Multi-Port Two USB 2.0 & Single Parallel Print Server
An 802.11g wireless print server with two USB 2.0 ports and a parallel port for connecting legacy parallel printers with multiple networking options.

08. Multifunction Wireless USB Print Server with 4 USB Ports
This print server lets you share up to 4 USB multifunction printers wirelessly on the network.

▶05. DP-G310


▶06. DP-301U

▶07. DP-G321


▶08. DPR-1260

USB


▶09. DUB-H4


▶10. DFB-H7


▶11. DUB-A2

09. 4-Port USB 2.0 Hub, up to 480Mbps speed
A 4-port USB 2.0 hub that connects 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.

10. 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.

11. 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 so you can connect more devices to your PC. Available for PCs only.

Feature Products

New!


▶12. DWA-140


▶13. DWA-556


▶14. DWA-643


▶15. DIR-615

12. Wireless N USB Adapter
This adapter allows you to connect either your desktop PC or notebook to your wireless network using your USB port.

13. Wireless N PCI Adapter
Connects your PCI Express-enabled desktop computer to a wireless network to access a high-speed Internet connection, transfer files and stream media from greater distances around your entire home or office.

14. Wireless N USB Adapter
This high speed adapter allows you to connect either a desktop PC or notebook to your wireless network using your USB port.

15. Wireless N Broadband Router with 4-Port 10/100Mbps Switch
Create a wireless network to share high-speed Internet access with computers, game consoles, and media players from greater distances around your home.

Internet Security Camera and Surveillance


▶16. DCS-2120


▶17. DCS-G900


▶18. DCS-3220G


▶19. DCS-5300G

16. DCS-2120 Wireless Internet Camera for Home/ SOHO
A wireless Internet security camera that allows you to view a live video stream through a web browser or compatible 3G phones and PDAs when in 3G coverage.

17. 802.11g Wireless G Internet Camera
A stand alone camera with built-in CPU and web server that transmits high quality video images for monitoring, and can be accessed remotely or controlled from any PC with Internet access.

18. 802.11g Wireless 2-Way Audio Internet Camera
A fully featured surveillance system that connects to wired Ethernet or 802.11g wireless. Offers two way audio allowing you to talk to anyone at your camera site. Sharp video with lifelike colour, a 4x digital zoom and more.

19. 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 and SOHO Switches

[SOHO = Small Office/Home Office]

D-Link's high performance switches are designed to eliminate unnecessary traffic, and relieve congestion by delivering dedicated bandwidth for each port.


▶20. DES-1008D

20. DES-1008D eight-Port 10/100Mbps Switch
This switch allows for fast and simple connection of up to 8 computers.


▶21. DGS-1008D

21. DGS-1008D eight-Port 10/100/ 1000Mbps Switch
This switch allows for fast and simple connection of up to 8 computers.


▶22. DES-1024DG

22. DES-1024DG 24-Port 10/100Mbps Switch with 2-Port Gigabit
This switch offers Gigabit connectivity allowing for simple connection of up to 8 computers.

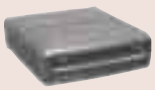
Gaming Router

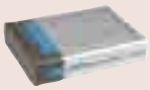
▶23. DGL-4500

23. DGL-4500
Remove network bottlenecks for high-performance network gaming. This router has gigabit Ethernet and dualband draft 802.11n as well as Gamefuel network optimisation.

Home Network Storage


▶24. DNS-312H


▶25. DNS-300


▶26. DNS-120


▶27. DNS-313

24. 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 **(25)** DNS-300 without pre-installed hard disk, while the **(26)** DNS-120 connects USB drives to your wired network. Also **(27)** DNS 313 has D-link's award winning network storage capabilities and accommodates a single 3.5" SATA hard drive.
(28) DNS-323, This high performance storage enclosure allows for up to 2 3.5" SATA HDD to be used for data backup.


▶28. DNS-323

Australian PC User, August 2007
Reference: *http://www.dlink.com.au/Products.aspx?Sec=1&Sub1=5&Sub2=*

PowerLine

What is it?
Powerline adapters allow you to use the electrical wiring in your home or small office to distribute Ethernet. With 2 or more of these devices, you can link computers, routers and other accessories without having to use extra cabling.

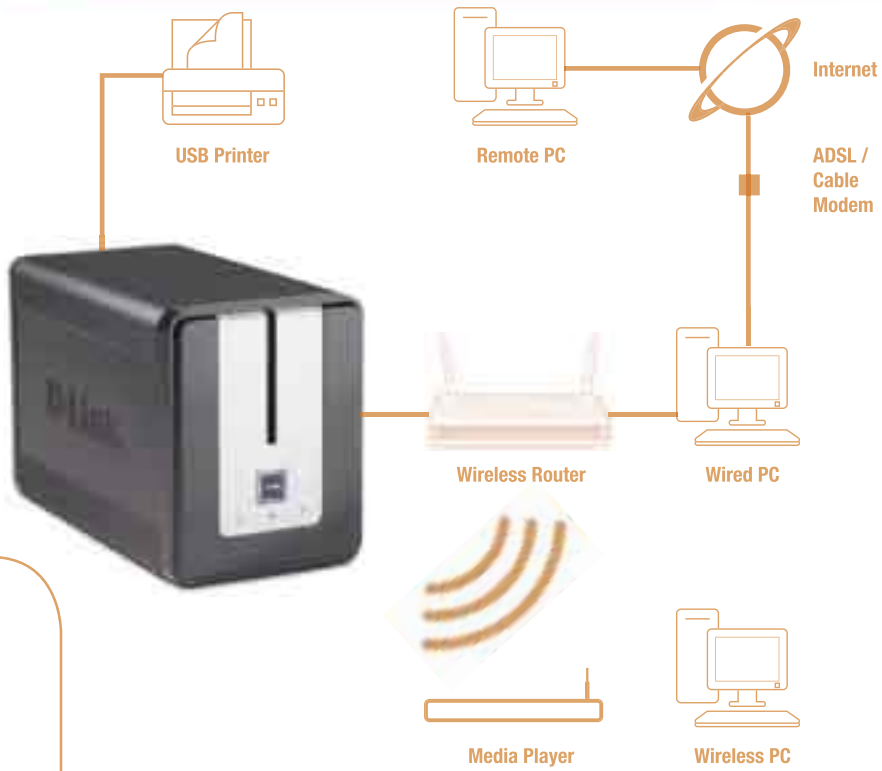
▶29. DHP-300

29. DHP-300
PowerLine technology allows you to create a network using your home's existing electrical wiring.

BACK UP AND SHARE YOUR MUSIC, PHOTO AND VIDEO COLLECTIONS

THE D-LINK NETWORK ATTACHED STORAGE FOR BEGINNERS AND PROFESSIONAL ALIKE

The **DNS-323** 2-Bay Network Storage Device marks the central network point for backing up and protecting all your valuable digital files and yet enabling you to share them with your family and friends across the home or office network and on the internet.



Mirroring Hard Drives with Raid 1 Technology:

Backing up to a regular hard drive offers a basic level of protection. But what if that hard drive fails? Using the DNS-323 with 2 internal SATA drives and RAID 1 technology, users can duplicate data on both drives, ensuring maximum protection of valuable data. If one drive fails, the other continues to function as a single drive until the failed drive is replaced.

www.dlink.com.au | www.dlink.co.nz

D-LINK AUSTRALIA Sales: 1300 700 100 | Support: 1300 766 868
D-LINK NEW ZEALAND Sales: 09 356 2158 | Support: 0800 900 900

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