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**SUPERGUIDE / WIRELESS ROUTERS**

# Upgrade your home network

You can get more from your network and increase your connection speed with a new router. But which one? **Nathan Taylor** tests 16 of the latest models.

Are you making the most of your internet connection and home network? You may not be if you're using an old router. Today's better routers offer improved performance — especially wireless — and more features, allowing you to more easily share files and printers, stream video and audio, and even connect remotely. Good Wi-Fi routers now offer 300Mbps simultaneous dual-band wireless (see the 'Dual-band wireless explained' box on page 37 for more information on this technology), as well as Gigabit Ethernet, USB ports for sharing storage devices and printers, VoIP support and much more. Even the connection speed to ADSL broadband providers varies between routers, as we

found out in our testing.

With so much variation in what's on offer, choosing a router isn't easy. To help you make an informed decision, we tested 16 routers in three main categories: ADSL modem routers for less than \$100; high-end ADSL modem routers; standard (non-ADSL) routers for people with fibre, 3G, wireless broadband and cable connections; and we've even included a lone 3G-only router.

## HOW WE TESTED

As part of our testing process, we attached all of the ADSL routers to a phone line at a given site and recorded the ADSL2+ connection rate. We connected three times for each router

and averaged the results. This is designed to give us some indication of the router's relative ability to handle adverse line conditions. The higher the rate, measured in kilobits per second (Kbps), the better.

These results are all from a specific test site. Of course, your connection rate with a given router will depend on the amount of interference on your own line and your distance from the telephone exchange. That's the nature of ADSL2+ — it's always best effort, not a guaranteed rate.

We also tested the wireless performance of the routers. While we've given some results in the reviews (see the 'Signal strength explained' box below), we haven't published the full

results here. This is because wireless performance depends on so many variables that it's extremely hard to test reliably or with any universality. What we see in our testing may be very different to what you would end up getting at home.

You'll find this at home as well — your wireless network will be going along just fine and then suddenly the speed will crater or the network will be dropped altogether. It could be interference from other devices in your home, something your neighbours are doing, the way you're holding your mobile device or even changes in the weather. That's why it's a very good idea to work on your router setup to ensure the best possible wireless signal.

## Signal strength explained

In our reviews of wireless routers and other devices where the signal strength is of importance, you'll see reference to dBm. This is a method of measuring the strength of the wireless signal, referring to the power ratio in decibels (dB) of the measured radio power per one milliwatt (mW). Don't worry if all that doesn't mean a lot to you — all you need to remember is that a signal of -60dBm is ideal and once the signal level gets below -75dBm, it's starting to get bad.

### 3G ROUTER

#### NETCOMM 3G24W MYZONE

STREET PRICE \$130 / CONTACT NETCOMM  
PHONE (02) 9424 2070 / WEB [www.netcomm.com.au](http://www.netcomm.com.au)

NetComm's MyZone router delivers functionality equivalent to the Wi-Fi tethering features now found in many smartphones. Its sole purpose is to share a 3G internet data connection of up to 7.2Mbps with multiple nearby Wi-Fi devices. It has a SIM card and USB charging slot and that's all. It's super light at only 77g and unlike Wi-Fi tethering, it won't burn through your mobile phone's battery. The 3G24W itself is portable, with a 6-hour

battery life and a USB recharging and power option. Up to six Wi-Fi clients are supported simultaneously. Unfortunately, they can't be very far from the device itself. Tested at 20m, we couldn't get a signal at all. At 10m we got a very weak signal and a 1Mbps link. We had to get within 5m to get any kind of acceptable speed from the router, which only supports 802.11g. **PC User says: A neat little device for sharing your 3G data connection.**





## SUB-\$100 ADSL ROUTERS

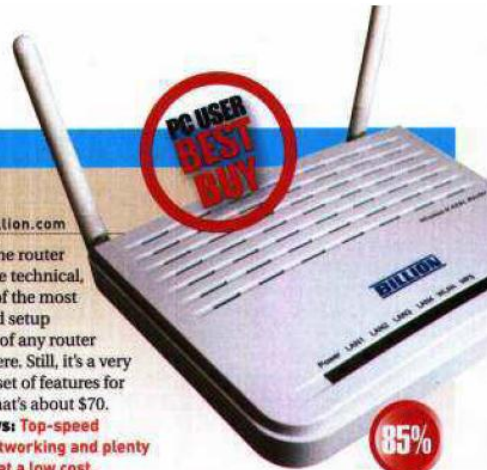
### BILLION BIPAC 7700N

**STREET PRICE \$70 / CONTACT PC RANGE / PHONE (08) 8186 1800 / WEB <http://au.billion.com>**

A compact and affordable router, the BiPAC 7700N offers full 300Mbps 802.11n networking as well as a very high level of configurability. Testing it at 20m with a Motorola Xoom produced decent results, with signal strength typically in the -70 to -80dBm range and a link speed that consistently hovered around 19Mbps. Its

LAN ports are a little less impressive, offering only Fast Ethernet. It has no USB ports, VoIP or 3G support. One of the notable features of Billion's firmware is the support for features you'd normally only find in enterprise-level products: VPN passthrough, advanced email notifications and serious QoS tools are all there. However,

managing the router is also a little technical, with some of the most complicated setup procedures of any router we tested here. Still, it's a very impressive set of features for a product that's about \$70. **PC User says:** Top-speed wireless networking and plenty of features at a low cost.



### LINKSYS WAG120N

**STREET PRICE \$80 / CONTACT CISCO / PHONE 1800 605 971 / WEB [www.linksysbycisco.com/anz](http://www.linksysbycisco.com/anz)**

Cisco's most basic ADSL router, the WAG120N, is an attractive and affordable way to get ADSL in the home. And like Netgear, Linksys has done some great work with respect to making it easier to set up your home router. In fact, Linksys is our top pick for ease of use. Despite its low cost, it supports full-speed 300Mbps wireless, though only in the 2.4GHz band. The LAN

ports are Fast Ethernet only. During testing the WAG120 delivered a consistently high ADSL test rate, although the wireless reception from its internal antennas was sometimes a little disappointing, frequently dipping below -75dBm at 20m and around (and sometimes dipping below)

19Mbps link speed. Moving into 10m, however, the link spiked to 108Mbps. Clearly it works best at short range. A similar product, the WAG160N, is also available

from Linksys. It adds a USB host port and costs around \$110. **PC User says:** Stylish, easy to use and delivers full 300Mbps wireless at a low cost.



### ASUS DSL-N10

**STREET PRICE \$89 / CONTACT ASUS / PHONE 1300 278 788 / WEB [www.asus.com.au](http://www.asus.com.au)**

With a chunky detachable 5dBi antenna on the back, the DSL-N10 isn't the most attractive of routers. But that antenna really does the trick, with the router consistently delivering -70dBm or better at 20m. For comparison, an iiNet BoB sitting right next to it was at -74dBm at the same time. Unfortunately, the ASUS only has a single antenna, which

means the link speed is limited to 150Mbps. The actual link rate delivered to the Motorola Xoom we used for testing was around 19Mbps at 20m. Other than the antenna, there's nothing really outstanding, with only Fast Ethernet ports and no USB or VoIP support. It features the ability to have four different wireless networks with different

IDs, though we're not sure why anybody would use that. We were fans of the simple setup and friendly user interface of the DSL-N10, a sharp comparison with the likes of the Billion and TP-LINK modems. The setup isn't quite up to Linksys or Netgear standards,

but ASUS is getting there. **PC User says:** A decent budget router with a big antenna helps wireless performance.



### ADSL2+ SYNC RATES COMPARED

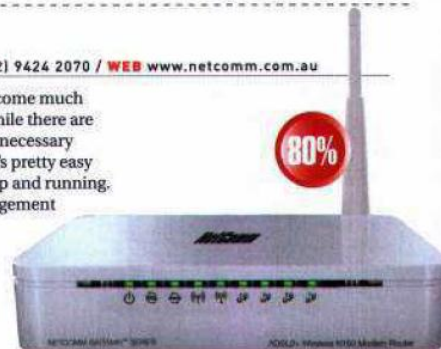
	Kbps
ASUS DSL-N10	6,301
AVM FRITZ!Box Fon WLAN 7390	6,545
Billion BiPAC 7700N	7,012
Linksys WAG120N	6,960
NetComm 3029WN	6,878
NetComm NB14WN	6,770
Netgear DGND3700	6,924
TP-LINK TD-8960N	6,475
TP-LINK TD-W8950ND	6,412

### NETCOMM NB14WN

**STREET PRICE \$85 / CONTACT NETCOMM / PHONE (02) 9424 2070 / WEB [www.netcomm.com.au](http://www.netcomm.com.au)**

A low-cost router with pseudo-iPod chic, the NB14WN is solid. Its wireless and wired networking support is modest, supporting only a single-antenna 150Mbps wireless connection and 100Mbps Fast Ethernet. Nor does it have USB or VoIP support. However, it worked well when we tested it, connecting quickly to ADSL at quite a high rate. Even the wireless maintained a 19Mbps link at 20m. NetComm's setup

procedure has become much less arcane and while there are still one or two unnecessary decision points, it's pretty easy to get the router up and running. From there, management is a breeze. **PC User says:** Not the fastest networking support, but it's simple to use and reliable.





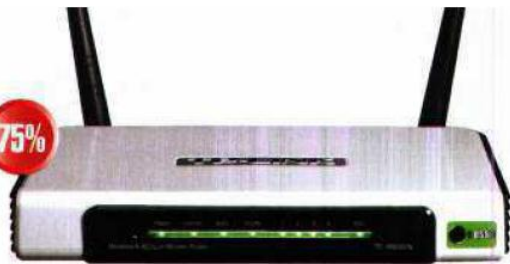
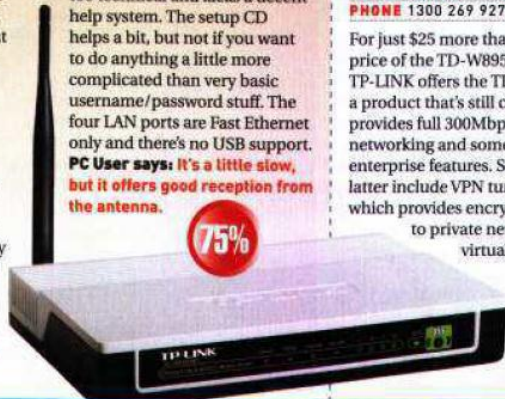
## SUPERGUIDE / WIRELESS ROUTERS

### TP-LINK TD-W8950ND

**STREET PRICE \$55 / CONTACT ANYWARE COMPUTER ACCESSORIES**  
**PHONE 1300 269 927 / WEB www.tp-link.com.au**

A boxy ADSL 2+ modem router, the TD-W8950ND has two very nice features: a super-low price and a honking big antenna. Like the ASUS DSL-N10, the TP-LINK comes with a 5dBi antenna, a big improvement over the typical 2dBi you'll often find on a low-cost consumer modem router. That gave it a pretty good reception quality at range, very similar to that of the ASUS and actually beating several more expensive modems in terms of signal strength. But because it only supports a single 150Mbps link, the actual transfer rate was still quite modest — it ranged from between 11Mbps to 19Mbps at 20m

during our testing. The antenna is probably the high point of the modem. The management interface is poorly designed, too technical and lacks a decent help system. The setup CD helps a bit, but not if you want to do anything a little more complicated than very basic username/password stuff. The four LAN ports are Fast Ethernet only and there's no USB support. **PC User says: It's a little slow, but it offers good reception from the antenna.**



### TP-LINK TD-W8960N

**STREET PRICE \$80 / CONTACT ANYWARE COMPUTER ACCESSORIES**  
**PHONE 1300 269 927 / WEB www.tp-link.com.au**

For just \$25 more than the price of the TD-W8950ND, TP-LINK offers the TD-W8960N, a product that's still cheap, but provides full 300Mbps wireless networking and some surprising enterprise features. Some of the latter include VPN tunnelling, which provides encrypted links to private networks, virtual LAN

segmentation and corporate authentication. Like the TD-W8950ND, however, it's too difficult to set up — even with the CD — and the management interface is just ugly. It also only supports 100Mbps local wired networking. In testing, it actually didn't do much better than its single-antenna counterpart, delivering a connection rate of just 19Mbps to a Motorola Xoom at 20m.

**PC User says: It's cheap for a full 300Mbps modem router, but the interface is difficult.**

## HIGH-END ADSL 2+ ROUTERS

### NETGEAR DGND3700

**STREET PRICE \$200 / CONTACT NETGEAR**  
**PHONE 1300 361 069 / WEB www.netgear.com.au**

A top-of-the-line router, the DGND3700 has just about everything one could ask for, save VoIP support. Four Gigabit Ethernet ports are complemented by concurrent dual-band 300Mbps wireless. Networking doesn't get any faster. Unusually for an ADSL modem router, it has an Ethernet WAN port, so it can serve as a standard router as well, supporting cable and fibre internet access. There are two USB ports, one front and one rear, to which you can attach USB storage devices. The contents of these devices can be accessed by the protocol of your choice, including Windows File Sharing and UPnP AV. Netgear also has some of the friendliest setup routines we've encountered. Setting up a modem router tends to be challenging for most users, but Netgear makes it as painless as possible, with solid explanations for what's going on during setup. As an added bonus, it comes with live parental controls — which aren't

nearly as effective as ones installed on a PC, but they're also harder to disable — as well as a pretty cool broadband meter for tracking monthly downloads (but sadly, not on a per-user basis). **PC User says: Super fast, with bonus WAN ports, two USB host ports and excellent firmware.**



### AVM FRITZ!BOX FON WLAN 7390

**STREET PRICE \$370 / CONTACT PC RANGE**  
**PHONE [08] 8186 1800 / WEB www.fritzbox.com.au**

A German-built router named by somebody who apparently didn't know that the term 'Fritz' had WWI and WWII connotations, the FRITZ!Box has a strange retro-futuristic design that looks like it was ripped straight out of *The Jetsons*. And yet, in spite of the name and look, the WLAN 7390 is a very impressive product, especially when it comes to telephony. It has both integrated VoIP capability (but no failover to a standard phone in case of internet failure) as well as a DECT base station. DECT is the standard for wireless telephone handsets, so any DECT phone you buy should work, and up to

six phones are supported. The only product we've seen with better telephony support is iiNet's BoB. Its local networking is also top-notch, supporting both Gigabit Ethernet and simultaneous dual-band 802.11n Wi-Fi. There are two USB ports, too, which can be used to share media on a storage device. Strangely, the router also has 512MB of shared storage built in, but 512MB isn't really enough to store anything useful. All of these are managed through a well-designed web interface.

**PC User says: A router with everything: super-fast networking, VoIP, file sharing and media serving.**



## NETCOMM 3G29WN

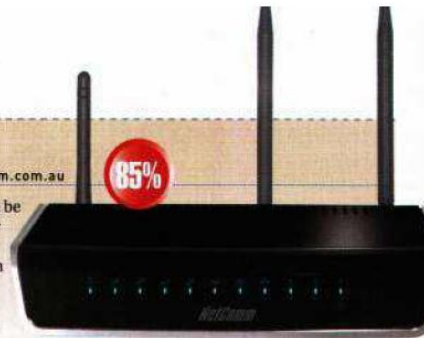
STREET PRICE \$370 / CONTACT NETCOMM / PHONE (02) 9424 2070 / WEB www.netcomm.com.au

The 3G29WN is a router that's ideal if you have both ADSL and 3G accounts, which is true for a lot of homes and businesses right now. Use ADSL until the quota is dry and then use 3G the rest of the month. What's more, it has a real 3G modem built in. It's not a 'we'll support 3G if you plug a modem into the USB port' device — you can actually insert the 3G/

HSDPA SIM directly into the router. The router can be configured to automatically fail over to 3G if the ADSL account is disconnected. There are a few disappointments, however. The router works only in 2.4GHz wireless and its LAN ports are only Fast Ethernet. Its 3G support more than makes up for those failings, though, as does its USB

port, which can be used for printer sharing or file sharing through Windows File Sharing. It delivered in terms of ADSL connection rates and Wi-Fi data transfer. At 20m, its towering antennas consistently delivered

a link rate in excess of 24Mbps. **PC User says: Great if you have ADSL and 3G, but it's very pricey.**



## STANDARD WIRELESS ROUTERS

### LINKSYS E4200

STREET PRICE \$280 / CONTACT CISCO / PHONE 1800 605 971  
WEB www.linksysbycisco.com/anz

If you want the best wireless networking that money can buy, the E4200 is your go-to router. A full simultaneous dual-band router, it can hit speeds of 450Mbps in the 5GHz band by using an extra channel, although 2.4GHz is limited to 300Mbps and you need a special USB adapter to support 450Mbps. It delivered when it came to reception, too. When we took our Motorola Xoom tablet to 20m from the router,

it never dropped below -65dBm signal strength and 54Mbps link speed. No other router came near that signal strength and speed. Its other features are also excellent. It's easy to set up, has great networking features — including business QoS, authentication and management — and includes a USB port for

host storage devices. That USB port supports UPnP media streaming, so you can play your video and audio on your

console or DLNA TV. **PC User says: Outstanding wireless and very good everything else.**



## Dual-band wireless explained

One of the things about the 802.11n wireless networking specification (also known as Wireless N) is that it can technically operate in one of two spectrum bands: 2.4GHz and 5GHz. Pretty much every Wi-Fi product ever released has worked in the 2.4GHz band, but now 5GHz support is becoming more common. Thus we have dual-band routers — those that can work in both the 2.4 and 5GHz bands. Some dual-band routers are selectable, which means they work in either the 2.4 or 5GHz band, but not both at once. Others are simultaneous, meaning they work in both at the same time. In effect, a simultaneous dual-band router is two wireless access points at once: one 2.4GHz and one 5GHz. Clients can use either.

So what's the benefit of having dual-band? Put simply, it's all about crowding. If you live in an apartment block and you fire up your laptop, you'll probably see at least half a dozen Wi-Fi networks operating at 2.4GHz, all overlapping each other. That's a lot of competition for the limited airwaves. They're also competing with cordless phones, wireless headphones, Bluetooth, radio-controlled cars and just about everything else that uses the public 2.4GHz spectrum. Switch to 5GHz and you'll probably see nothing. You'll have the band all to yourself. That means you'll get that much closer to the theoretical throughput of Wi-Fi.

It's not always the case that 5GHz is better, however. Many client devices such as phones, tablets and laptops simply don't support 5GHz Wi-Fi, which is why simultaneous dual-band is so great. Some devices that do support it might have a crummy 5GHz antenna. A case in point: we did a lot of our testing with a Motorola Xoom tablet and an Android application called Wifi Analyzer, but we quickly found that the 5GHz reception on the Xoom isn't good. We were getting better results at 20m on 2.4GHz than we were at 10m on 5GHz. So, as with everything wireless, your mileage may vary and it's worth testing a few things out before committing to a band.

### ASUS RT-N56U

STREET PRICE \$199  
CONTACT ASUS  
PHONE 1300 278 788  
WEB www.asus.com.au

The RT-N56U certainly has a distinctive style, with its irregular shape and textured front plate. It also has excellent networking support, with full Gigabit Ethernet and concurrent dual-band wireless support. There are also two USB ports, which support both printers and storage devices. The contents of the storage device can be shared using both Windows File Sharing and UPnP AV, which is pretty much ideal. Setting up the ASUS RT-N56U was very easy using the install disc and the administration interface is designed to be unimposing to non-technical users (insofar as such a thing is possible on a router), so beginners should have no problem with it.



Testing it at 20m, the RT-N56U performed fairly, maintaining a wireless link speed of 19Mbps, although it dropped to 11Mbps on occasion. **PC User says: Fast networking and a good interface, along with a unique style.**



## SUPERGUIDE / WIRELESS ROUTERS

### NETGEAR WNDR3700

**STREET PRICE** \$170  
**CONTACT** NETGEAR  
**PHONE** 1300 361 069  
**WEB** [www.netgear.com.au](http://www.netgear.com.au)

Essentially the same product as the DGND3700 reviewed on page 36, but without the ADSL modem built in, the WNDR3700 is an attractive (if bulky) router with excellent local networking support, USB file hosting support and easy-to-use firmware with several unique features, including a broadband meter and live blacklist parental controls. Given that it supports both Gigabit Ethernet and concurrent dual-band 802.11n, you'll be hard-pressed to find a router with better local networking. We did find the internal antennas a little wanting, however. Testing it with a Motorola Xoom tablet at 20m, the signal strength dipped as low as -78dBm and the link speed down to 19Mbps in the 2.4GHz band. Still, that's enough to carry most HD video at that range. As with the DGND3700, the USB file-sharing support is absolutely stellar,



supporting standard Windows File Sharing as well as UPnP AV/DLNA. That makes it a great way to stream movies, music and pictures to your console or DLNA TV for playback on the big screen.

**PC User says:** Excellent software, admin and features.

### BILLION BIPAC 6200NXL

**STREET PRICE** \$120  
**CONTACT** PC RANGE  
**PHONE** (08) 8186 1800  
**WEB** <http://au.billion.com>

PC Range bills the BIPAC 6200NXL as a premium 3G router and that it certainly is. In addition to its WAN port it also has two USB ports into which can be plugged a 3G wireless modem from Telstra, Three, Vodafone, Optus or iBurst. That wireless broadband connection can then be shared via the router. It can also be monitored, and Billion has some excellent tools for monitoring the 3G connection speed and total usage of the connection (this is important, since 3G accounts tend to charge a bomb for excess usage). The USB ports can also be used to share printers or storage devices, with both SMB and FTP supported. In terms of local networking, the 6200NXL supports full 300Mbps wireless



in the standard 2.4GHz band and it worked just fine in our testing, on par with the BIPAC 7700N. The LAN ports (there are only three) are disappointingly just 100Mbps, however. Like the 7700N, the 6200NXL supports some advanced routing features for a consumer appliance, as well as a built-in BitTorrent client, but it's not the easiest product to set up or use.

**PC User says:** A router with very good 3G support.

## Tech terms

**DECT (Digital Enhanced Cordless Telecommunications).** The wireless standard used for conventional cordless telephones, it's different from the 802.11 wireless standard that's used by routers and computers.

**QoS (Quality of Service).** A feature that allows routers to give resource priorities to different applications. For example, you could give VoIP a higher priority than other internet applications to ensure your phone calls don't drop out due to a big download.

**VoIP (Voice over Internet Protocol).** A telephone standard that uses

the internet rather than the traditional PSTN (Public Switched Telephone Network).

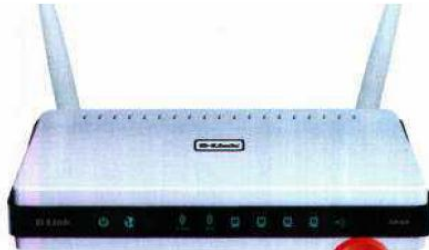
**VPN (Virtual Private Network).** A feature that can allow you to securely (using encryption) gain access to your network from a remote location.

**WAN (Wide Area Network).** On routers, this refers to a port that connects to a broadband modem, as opposed to LAN (Local Area Network) ports, which are used for connecting computers to the router.

## WIRELESS ROUTER SPECIFICATIONS

	ADSL routers							
	ASUS DSL-N10	AVM FRITZ!Box Fon WLAN 7390	Billion BIPAC 7700N	Linksys WAG120N	NetComm S629WN	NetComm M614WN	Netgear DGND3700	TP-LINK TD-W8950ND
<b>Street price</b>	\$89	\$370	\$70	\$80	\$370	\$85	\$200	\$55
<b>Lan ports</b>	4 x Fast Ethernet	4 x Gigabit Ethernet	4 x Fast Ethernet	4 x Fast Ethernet	4 x Fast Ethernet	4 x Fast Ethernet	4 x Gigabit Ethernet	4 x Fast Ethernet
<b>Wireless</b>	802.11b/g/n 150Mbps	802.11b/g/n 300Mbps	802.11b/g/n 300Mbps	802.11b/g/n 300Mbps	802.11b/g/n 300Mbps	802.11b/g/n 150Mbps	802.11b/g/n 300Mbps	802.11b/g/n 150Mbps
<b>Dual-band</b>	No	Simultaneous	No	No	No	No	Simultaneous	No
<b>USB host ports</b>	None	2	None	None	1	None	2	None
<b>USB host protocols</b>	N/A	FTP, SMB/CIFS, UPnP AV	N/A	N/A	SMB/CIFS	N/A	FTP, HTTP, SMB/CIFS, UPnP AV	N/A
<b>3G support</b>	No	No	No	No	Yes, integrated	No	No	No
<b>VoIP support</b>	No	Yes, 2 ports, no failover	No	No	No	No	No	No





## D-LINK DIR-825

**STREET PRICE \$190 / CONTACT D-LINK**  
**PHONE 1300 700 100 / WEB www.dlink.com.au**

80%

In contrast to the basic DIR-600 (reviewed right), the D-Link DIR-825 is the router with everything: Gigabit Ethernet ports, 300Mbps simultaneous dual-band wireless and hefty twin antennas for broad reception. Tested at 20m with a Motorola Xoom, it consistently delivered signal power in the -68 to -75dBm range and a link speed no worse than 19Mbps. It automatically chose the best channel for wireless, which was great. It also has what D-Link calls a SharePort. It's a single USB port to which you can attach a storage device or printer that can be shared around the home. Strangely, though,

it doesn't use standard protocols and instead requires a proprietary software client to be installed on PCs that want to access the storage, which kind of bites if you want access on a non-PC. The USB port can also be set up to support a 3G modem that you want to share. The DIR-825 is relatively easy to set up, either through the supplied setup CD or the web-based admin console. It would be helpful if there was just one overall setup wizard instead of different wizards for WAN and wireless, but it's not a deal-breaker.

**PC User says: Fast and feature-rich, but the non-standard USB is disappointing.**

## D-LINK DIR-600

**STREET PRICE \$55**  
**CONTACT D-LINK**  
**PHONE 1300 700 100**  
**WEB www.dlink.com.au**

75%

This is the most basic router in D-Link's range; in fact, the DIR-600 is pretty much the definition of no-frills. With just four Fast Ethernet ports and a single 150Mbps 802.11n antenna, it doesn't offer the fastest networking options, either for wired or wireless. It also only has a single WAN port and no USB support. We found wireless reception spotty during our tests, with even occasional drops to just 1Mbps at 20m. The better news is that the antenna is detachable and replaceable, so if you've a mind to upgrade it to something with a little more oomph, it's easy enough



to do so. The router is simple enough to set up with the supplied setup CD, which will get your LAN port and wireless network configured quickly and painlessly. The web-based admin tool is a little more complex, but still relatively user-friendly, especially compared to the setup required for the Billion and TP-LINK routers.

**PC User says: A very low-cost router that's easy to set up, but light on features.**

## USB protocols explained

A number of routers now boast USB ports that allow you to attach USB storage devices and printers to the router so they can be shared with everybody connected to the network. How they share the content of attached storage devices varies. If you look at the router specification table below, you'll see that for routers that have such a port, we've listed USB host protocols. These are the various mechanisms that client computers can use to access any storage devices attached to the router. They include the following.

\* **FTP (File Transfer Protocol)**. A very old system for accessing file servers. You need to use a software FTP client to access the contents of the share.

There's an FTP client built into your web browser — just enter the local IP address of the router into the address bar like so: **ftp://192.168.0.1**, replacing the 192.168.0.1 with whatever the address of your router is.

\* **HTTP**. This means that you can access the contents of the drive with a web browser.

\* **SMB/CIFS**. Also known as Windows File Sharing, this means that when you expand the Network tab in Windows Explorer, you'll see the router appear as a file server. You can then map it to a drive letter if you choose.

\* **UPnP AV (Universal Plug and Play Audio Visual)**. Also known as DLNA (Digital Living Network Alliance), this allows network media players to see and play any media content on the drive. If you have an Xbox 360, PlayStation 3 or DLNA TV set, the router will automatically appear in the list of media sources.

Standard wireless routers							
TP-LINK TD-8960N	ASUS RT-N56U	Billion BiPAC 6200NXL	D-Link DIR-600	D-Link DIR-825	Linksys E4200	NetComm 3624W MyZone	Netgear WNDR3700
\$80	\$199	\$120	\$55	\$190	\$280	\$130	\$170
4 x Fast Ethernet	4 x Gigabit Ethernet	3 x Fast Ethernet	4 x Fast Ethernet	4 x Gigabit Ethernet	4 x Gigabit Ethernet	None	4 x Gigabit Ethernet
802.11b/g/n 300Mbps	802.11b/g/n 300Mbps	802.11b/g/n 300Mbps	802.11b/g/n 150Mbps	802.11b/g/n 300Mbps	802.11b/g/n 300Mbps	802.11g	802.11b/g/n 300Mbps
No	Simultaneous	No	No	Simultaneous	Simultaneous	No	Simultaneous
None	2	2	None	1	1	None	2
N/A	FTP, SMB/CIFS, UPnP AV	FTP, SMB/CIFS	N/A	SharePort	FTP, HTTP, SMB/CIFS, UPnP AV	N/A	FTP, HTTP, SMB/CIFS, UPnP AV
No	Yes, through USB port (requires USB modem)	Yes, through USB port (requires USB modem)	No	Yes, through USB port (requires USB modem)	No	Yes, integrated	No
No	No	No	No	No	No	No	No