D-Link Goes Full Throttle
Capturing Fastest Wireless Network Title
with 108Mbps Upgrade

Sydney & Auckland, February 12, 2004 - D-Link, a global leader in the design, development, and manufacturing of networking, broadband, wireless, and communications technologies for the SOHO, SMB and Enterprise markets, today released a revolutionary performance and interoperability upgrade firmware for its high-performance D-Link XtremeG wireless networking line of products that deliver 108Mbps bandwidth in the 2.4GHz frequency range. The new upgrade firmware for D-Link XtremeG is free and it delivers the industry's fastest wireless network with excellent results and consistent data rate throughput, improving the 802.11b wireless by as much as 15 times while remaining dynamically compatible with 802.11 2.4GHz g/b products.

The D-Link XtremeG products feature the industry's first default 108 "Dynamic Mode" that allows 802.11g/b clients to always operate at the highest possible speeds while automatically identifying and recognising the D-Link XtremeG products for highest performance capability and seamless access to the wireless network in a homogenous environment.

"The home networking industry is being propelled by the fusion of home entertainment with home networking technologies and relies on the ever-increasing speeds of the network to power digital streaming audio and video from the PC to entertainment centre," said Maurice Famularo, Marketing Director, D-Link Australia & New Zealand. "High-speed wireless networking at up to 108Mpbs bandwidth like the D-Link XtremeG line enables those entertainment-level speeds while remaining compatible with legacy 802.11g and 802.11b wireless networking standards."

"The speed we are seeing with our new XtremeG products rivals wired Ethernet performance and can easily handle the entertainment and gaming applications of the digital home," said Garen Casey, BDM and Wireless Product Specialist, D-Link Australia & New Zealand. "In keeping with D-Link's commitment to affordable new technologies, we are providing this performance enhancement absolutely free for all XtremeG users.

"Products shipping from our Australian warehouse now have the upgrade included. Any product already in the channel and retail space may or may not have the upgrade" said Casey. "Either way, the upgrade is available on our web site for free download at www.dlink.com.au or www.dlink.co.nz".

"XtremeG is fully interoperable and protects all current standards and legacy devices. That means it delivers both blazingly fast throughput speed and unprecedented interoperability between 802.11 technologies and multi-vendor environments," added Famularo.

The D-Link XtremeG upgrade employs five cutting-edge hardware-based compression technologies to achieve a significant boost in performance within the 2.4GHz frequency range.

• **Packet Bursting:** The packet bursting technique puts more data into a single transmission, allowing more raw data to be stuffed into each packet and as a result not only delivers much more data, but also executes this process with less traffic on the network. Packet bursting transforms lengthy binary code into simple equations, resulting in an overall reduction in the number of 1s and 0s being sent over the network. It is also the technique defined as one of the methods for performance improvement in the IEEE 802.11e QOS draft standard.

• **Fast Frames:** The fast frames technique enhances data throughput by increasing the number of bits sent per data frame and accelerating the timing of a data frame with a dynamic transmit optimizations. This technology enhances the Packet Bursting capability synergistically to provide accelerated performance results. The fast frames technique is also based on the 802.11e QOS draft standard.

- **Hardware Compression and Encryption:** XtremeG uses the Atheros chipset which employs special engines to compress and encrypt data. These hardware engines operate in real-time to enhance throughput by implementing standard algorithms and compressing data prior to transmission and after reception.
- **Multi-Channel Bonding:** Multi-Channel bonding embraces two radio channels simultaneously. It collapses the available channels from 12 to 6 for increased bandwidth on the available channels. Single and double channels are not run at the same time. This technology senses single channel and dual channel frames and negotiates time-based solutions with priority on single channel processing.
- **Select Mode:** Select Mode gives users the option of locking the XtremeG products into a Static mode (instead of the default Dynamic mode) for even higher performance within a complete D-Link 108Mbps XtremeG environment.

The D-Link XtremeG solution features robust security to protect the wireless network from intruders, complying with the latest wireless networking security protocols, including WEP encryption and Wi-Fi Protected Access (WPA) support for both 802.1x and WPA-PSK. The products are also capable of supporting the government-grade AES encryption and upcoming 802.11i standards. D-Link's XtremeG wireless networking solution includes the XtremeG DI-624 Wireless Router with 4-port switch, the XtremeG DWL-G650 Wireless CardBus Adapter, XtremeG DWL-G520 Wireless PCI Adapter, the DWL-G810 Wireless to Ethernet Bridge and the XtremeG DWL-2000AP Wireless Access Point.

Description	AUSTRALIA	NEW ZEALAND
	RRP Pricing in AU$ inc GST	RRP Pricing in NZ$ inc GST
DI-624	AU $349	NZ $365
DWL-G650	AU $149	NZ $152
DWL-G520	AU $189	NZ $200
DWL-2000AP	AU $319	NZ $343
Availability	Now	Now

About D-Link

True Networking Pioneer and Hardware Manufacturer Since 1986.
D-Link is a worldwide leader and award-winning designer, developer, and true manufacturer of networking, broadband, 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.

The company has increased its world-class production capacity to more than a million square feet of manufacturing facilities in six state-of-the-art factories in four countries -- Taiwan, China, India, and the United States. With millions of Ethernet adapters and millions of hub and switch ports manufactured and shipped, 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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