5GHz IEEE 802.11a Compliant

By designing products with strict adherence to industry standards, D-Link delivers WLAN products that are interoperable in order to future proof network investment. The industry Standard IEEE 802.11a compliance and assures that the D-Link*Air* Pro DWL-A520 Wireless network adapter will work with other standard compliant 5GHz IEEE 802.11a wireless networking adapters and access points.

Up to 72 Mbps in "Turbo" Mode

Although the D-Link*Air* Pro DWL-A520 Wireless network adapter transmits data within the IEEE industry standard at speeds up to 54 Mbps, it can deliver much more. In its proprietary "Turbo" mode, the D-Link*Air* Pro DWL-A520 pushes data transfer speeds up to 50% more to an astounding 72Mbps, near Fast Ethernet wired speeds. It achieves this higher data rate by aggregating the bandwidth of two channels to deliver 72 mbps.

152-bit WEP Encryption

The D-Link*Air* Pro DWL-A520 uses industry standard 0, 64, 128, and enhanced 152-bit Wired Equivalent Privacy (WEP) security to encrypt data transmissions. While WEP security is employed, only approved users can gain access to the wireless net-work. The adapter also supports 802.1x user authentication security and a Dynamic Key Exchange, which assigns a unique WEP encryption key for each client at every login. This delivers unsurpassed security and protection from unwanted intruders.

Eight (8) Non-Overlapping Channels

Eight non-overlapping channels provide greater network capacity by avoiding over-lapping frequencies and allowing each channel to operate independently in the 5Ghz range. It already avoids conflict with other competing technologies and networks in the 2.4 Ghz frequency range. In addition, the .11a specification defines channels to be expanded from 3 to 8, all non-overlapping, which allow users to avoid Co-Channel Interference (CCI).

Diagnostics Software

A diagnostic software program called LinkMon is included with the D-Link*Air* Pro DWL-A520 Wireless network adapter. This powerful software diagnostics tool allows users to monitor wireless connections, diagnose signal strength and troubleshoot the wireless network. It provides five basic tabs that deliver general information, frame statistics, transmit and retry data, station identification and network access point scan-ning and driver data.
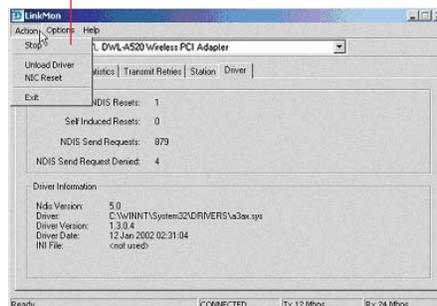
D-Link®

Building Networks for People
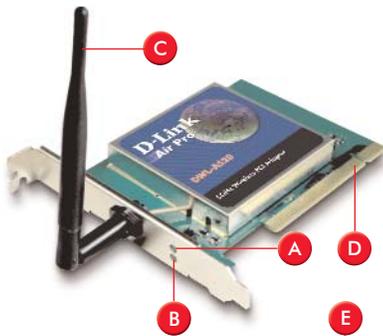
A Power LED

B Link LED

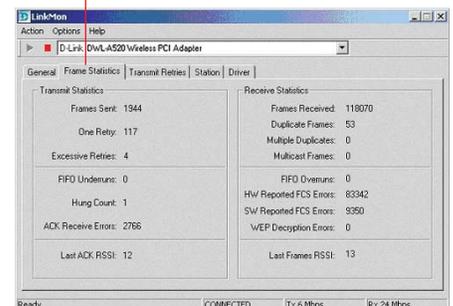**C** Integrated Dual Diversity Antenna

D 32-bit PCI 2.2 Compliant

E Access Point Scanner

F Driver Information

G Performance Statistics
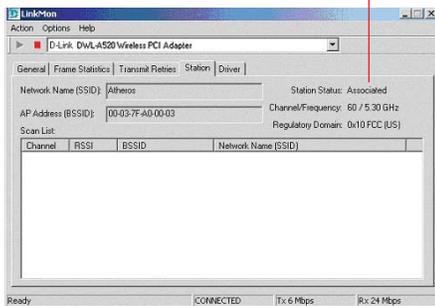
LinkMon allows users to view information on all Access Points within range

Users can find data on the current driver or unload it using LinkMon

LinkMon provides users with statistics on the adapter's performance

Key Features of the DWL-520

Feature	Advantage	Benefit
IEEE 802.11a Compliant	Industry recognized standard for wireless Ethernet technology providing connection rates up to 54 Mbps	• Protects the investment now and in the future by insuring interoperability, compatibility and scalability
5 GHz Spectrum	The 5 Ghz spectrum is a clean frequency band	• Low possibility of data collisions
72 Mbps Turbo Mode	Higher data rate by aggregating the bandwidth of two channels	• More throughput available for data intensive applications
152-bit WEP Encryption	Highest level of standard WEP Encryption available	• Provides Maximum Security
8 Non-Overlapping Channels	Eliminates Co-Channel Interference(CCI)	• Provides greater network capacity by dedicating a full 54 Mbps to each channel
Diagnostic Software	Captures data and measures signal strength	• Monitors network conditions and provides status information

D-Link®

www.dlink.com

D-Link Systems, 53 Discovery Drive
Irvine, CA 92618 • 949.788.0805