



WIRELESS 108G DESKTOP ADAPTER

HIGH PERFORMANCE, WIDE COVERAGE

Up to 108Mbps Turbo Mode wireless speed. eXtended Range for wider wireless coverage range

WIRELESS PROTECTION

Connect to secure wireless networks using WEP, WPA and WPA2

SIMPLE INSTALLATION

Quick Install Wizard and Wireless Connection Management utility provided for easy setup



ULTIMATE PERFORMANCE

The DWA-520 Wireless 108 G Desktop Adapter delivers unrivaled cost-effective wireless performance for desktop PCs. Users can easily upgrade their wireless networks by adding this 802.11g standard adapter to wirelessly share photos, files, music, video, printers, storage and access Internet. Enhance Internet experience with a faster wireless connection and enjoy smooth digital phone calls, gaming, downloading, and video streaming.

GET CONNECTED WITH FASTER WIRELESS SPEEDS

Powered by D-Link 108 G technology, this adapter provides wireless performance up to 108Mbps Turbo mode. This high-performance PCI adapter is designed for users who demand higher networking performance. Maximize wireless performance by connecting this adapter to a Wireless 180 G Router. For backward compatibility, it is seamlessly interoperable with 802.11b wireless networks. This adapter supports WPA/WPA2 security and WEP data encryption to help prevent outside intrusion and protect your personal information from being exposed.

EASY TO SETUP, EASY TO USE

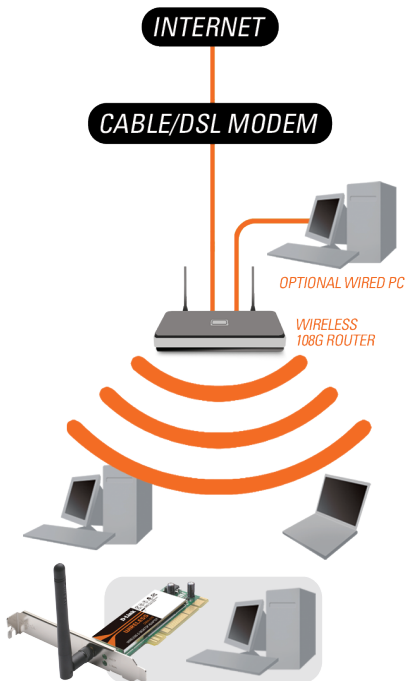
D-Link Quick Install Wizard guides users step-by-step through the installation process. Configure this adapter without having to call a networking expert for help. A D-Link Wireless Connection Management utility is included with this product to keep track of all most frequently accessed networks. With unmatched 802.11g performance and wireless security, this adapter is the best choice for adding wireless connectivity to desktop computers.

WHAT THIS PRODUCT DOES

Upgrade your desktop computer's wireless connectivity with the D-Link Wireless 108 G desktop adapter and Wireless 108 G router for a faster wireless connection. Once connected, you can access your network's high-speed Internet while also getting secure access to shared photos, files, music, video, printers and storage.

GET CONNECTED, STAY CONNECTED

Based on the 802.11g wireless LAN standard specifications, D-Link Wireless 108 G adapters, routers and access points provide real world performance that can be up to 108Mbps when operating in the Turbo mode in conjunction with other D-Link Wireless 108 G devices. This allows wireless network connection to perform smoothly for bandwidth-demanding applications such as multimedia and Internet phone.



Desktop PC with DWA-520 Wireless 108 G Desktop Adapter

TECHNICAL SPECIFICATIONS

SYSTEM REQUIREMENTS

- + Windows 98 SE, ME, XP SP2, 2000 SP4 or Vista
- + CD-ROM drive
- + 20MB hard disk space
- + Available PCI slot

STANDARDS

- + IEEE 802.11g
- + IEEE 802.11b
- + PCI 2.2, 2.3

HOST INTERFACE

PCI 32-bit local bus

FREQUENCY RANGE

- + 2412 to 2462MHz (North America)
- + 2412 to 2472MHz (General Europe)

EMISSION SCHEMES

DSSS, OFDM

DATA MODULATION SCHEMES

- + 802.11b: DQPSK, DBPSK, DSSS, and CCK
- + 802.11g: BPSK, QPSK, 16QAM, 64QAM, and OFDM

DATA RATES

- + 802.11g: 6/9/12/18/24/36/48/54Mbps 108Mbps (Turbo mode)
- + 802.11b: 1/2/5.5/11Mbps

RECEIVE SENSITIVITY (802.11B)

- (8% Error Rate)
- + -84dBm at 11Mbps
- + -90dBm at 2Mbps

RECEIVE SENSITIVITY (802.11G)

- (1000-byte PDUs, 10% Error Rate)
- + -87dBm at 6Mbps
- + -86dBm at 9Mbps
- + -85dBm at 12Mbps
- + -83dBm at 18Mbps
- + -80dBm at 24Mbps
- + -76dBm at 36Mbps
- + -71dBm at 48Mbps
- + -66dBm at 54Mbps

TRANSMIT OUTPUT POWER (802.11B)

18dBm (+/-2dB) at 11, 5.5, 2, and 1Mbps

TRANSMIT OUTPUT POWER (802.11G)

- + 15dBm at 54Mbps
- + 16dBm at 48Mbps
- + 17dBm at 36Mbps
- + 18dBm at 24, 18, 12, 9, and 6Mbps

ANTENNA

2dBi omni-directional dipole antenna

SECURITY

- + 64/128/152-bit WEP data encryption
- + Wi-Fi Protected Access (WPA, WPA2)
- + AES³

QUALITY OF SERVICE (QOS)

- + 802.11e
- + WMM

CONFIGURATION/SECURITY SETTING

- + Quick Install Wizard
- + D-Link Wireless Connection Management

O.S. SUPPORT

Windows 98 SE, ME, 2000, XP, Vista

DIAGNOSTIC LEDS

- + Power
- + Activity

OPERATING VOLTAGE

3.3VDC +/- 10% or 5VDC +/- 10%

POWER CONSUMPTION

- + Continuous transmit mode: 1650 mW
- + Continuous receive mode: 950 mW
- + Sleep mode: 40 mW

DIMENSIONS

12.6 mm (L) x 12 mm (W) x 1.9 mm (H)

OPERATING TEMPERATURE

0° to 40° C

STORAGE TEMPERATURE

-20° to 65° C

OPERATING HUMIDITY

10% to 90% non-condensing

STORAGE HUMIDITY

5% to 95% non-condensing

CERTIFICATIONS

- + FCC Class B
- + CE
- + C-Tick

¹ 54Mbps maximum wireless signal rate derived from IEEE standard 802.11g specifications. 108Mbps Turbo speed when operating with other D-Link Wireless 108 G products. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, may lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

² Maximum output power setting varies according to individual country.

³ Feature available in future driver upgrade.



D-Link Worldwide Offices

U.S.A	TEL: 1-800-326-1688	FAX: 1-866-743-4905	Spain	TEL: 34 93 409 0770	FAX: 34 93 491 0795	Iran	TEL: 90-212-289-5659	FAX: 90-212-289-7606
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223	Portugal	TEL: 351 21 8688493	FAX: 351 21 8622482	Pakistan	TEL: 92-21-454-8158	FAX: 92-21-453-5103
Europe (U. K.)	TEL: 44-20-8955-9000	FAX: 44-20-8955-9001	Greece	TEL: 30 210 9914 512	FAX: 30 210 9916902	Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300	Czech Republic	TEL: 420 224 247 500	FAX: 420 224 234 967	Latin America	TEL: 56-2-5838-950	FAX: 56-2-5838953
France	TEL: 33 1 30 23 86 88	FAX: 33 1 30 23 86 89	Hungary	TEL: 36 (01) 461 30 00	FAX: 36 (01) 461 30 04	Brazil	TEL: 55-11-2185-8300	FAX: 55-11-2185-9322
Netherlands	TEL: 31-10-282-1445	FAX: 31-10-282-1331	Poland	TEL: 48 (0)22 583 92 75	FAX: 48 (0)22 583 92 76	South Africa	TEL: 27-12-665-2165	FAX: 27-12-665-2186
Belgium & Luxembourg	TEL: 32 (0)2 517 7111	FAX: 32 (0)2 517 6500	Bulgaria	TEL: 359 2 958 22 42	FAX: 359 2 958 65 57	Russia	TEL: 7-495-744-0099	FAX: 7-495-744-0099
Switzerland	TEL: 41 (0)1 832 11 00	FAX: 41 (0)1 832 11 01	Romania	TEL: 40(0)21 320 23 05	FAX: 40(0)21 320 23 07	Japan	TEL: 81-3-5781-0963	FAX: 81-3-5781-0965
Austria	TEL: 43 (0)1 240 27 270	FAX: 43 (0)1 240 27 271	Singapore	TEL: 65-6774-6233	FAX: 65-6774-63225	Korea	TEL: 82-2-890-5491	FAX: 82-2-890-549
Sweden	TEL: 46 (0)8 564 619 00	FAX: 46 (0)8 564 619 01	Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868	China	TEL: 86-10-58635800	FAX: 86-10-58635799
Denmark	TEL: 45-43-969040	FAX: 45-43-424347	India	TEL: 91-22-2652 6696	FAX: 91-22-2652 8914	Taiwan	TEL: 886-2-6600-0123	FAX: 886-2-6600-3939
Norway	TEL: 47 99 300 100	FAX: 47 22 30 90 85	Middle East (Dubai)	TEL: 971-4-391-6480	FAX: 971-4-390-8881	Headquarters	TEL: 886-2-6600-0123	FAX: 886-2-6600-9898
Finland	TEL: 358-10 309 8840	FAX: 358-10 309 8841	Egypt	TEL: 202-291-9035	FAX: 202-291-9051			
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723	Turkey	TEL: 90-212-289-5659	FAX: 90-212-289-7606			