



XTREME N™ DUO™ **WIRELESS BRIDGE/ACCESS POINT**

OPTIMIZED PERFORMANCE
Stream High-Definition (HD) multimedia over wireless connection.

DUAL-BAND CONNECTION
Duo technology allows you to connect in either 2.4GHz or 5GHz frequencies.

HIGHLY COMPATIBLE
Works with all major operating systems.



BENEFITS OF DAP-1522

The DAP-1522 high-definition wireless bridge is the latest addition to the Award-Winning Xtreme N product family. DAP-1522 works with next generation dual-band (2.4GHz or 5GHz) 802.11a/g/n wireless devices and effectively doubles your available wireless bandwidth. It protects your data with 64/128-bit WEP/WPA/WAP2 encryption and can be easily configured with the web-browser based configuration utility.

The versatile D-Link® DAP-1522 is designed for users looking to get a true wireless connection that can handle multiple High-Definition video streams throughout the house.

HIGH-DEFINITION PERFORMANCE

The DAP-1522 allows you to easily upgrade any router to support streaming of High-Definition (HD) multimedia content over a wireless connection. Connect up to four Ethernet-enabled devices of your entertainment center to the DAP-1522, such as game consoles, Digital Video Recorders (DVR), and Digital Media Adapters (DMA) simultaneously. You can also upgrade your network to support dual-band wireless streaming by connecting a DAP-1522 to your router.

DUO TECHNOLOGY

Xtreme N Duo is the latest addition to the award-winning Xtreme N product family. The Duo technology in the DAP-1522 supports selectable dual band N (2.4GHz or 5GHz) wireless signals. This allows you to check e-mail and browse the internet using existing 802.11g and popular draft 802.11n products or stream high-definition movies and other media on the 5GHz band. The 5GHz band helps avoid interference by providing a clearer wireless band for HD signals.

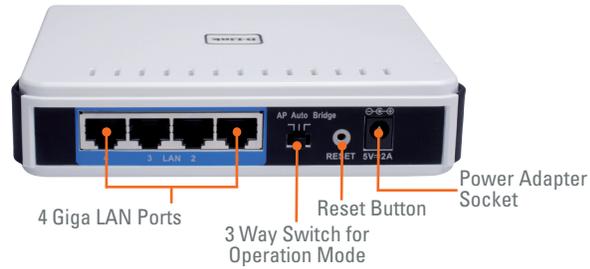
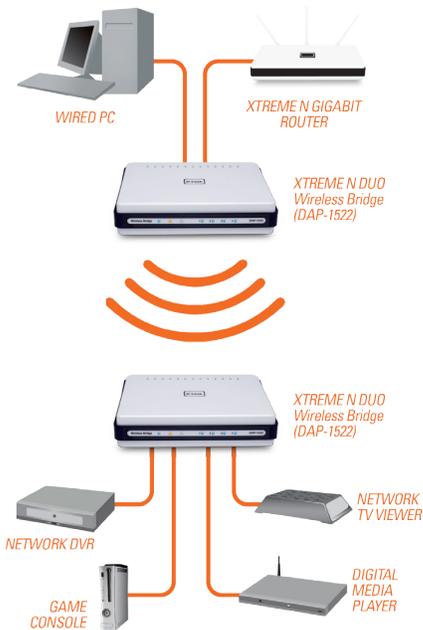
WHAT THIS PRODUCT DOES

The DAP-1522 allows you to easily upgrade any router to support streaming of High-Definition (HD) multimedia content in your home over a wireless connection. This device will let you 'bridge' between two different physical media, for example the wireless Ethernet connection from the DVR and the wireless media of your wireless network. It transforms your wired device into a wireless one without any hassles of stringing cable wires.

VERSATILE FUNCTIONS

- To get the best wireless technology available for viewing High-Definition (HD) videos
- To wirelessly connect all the devices in your entertainment center to your network and Internet
- To help improve your wireless network and works with current 802.11 wireless (a/b/g/n) technologies¹
- It's easy to install, add, or upgrade to any home network

YOUR NETWORK SETUP



TECHNICAL SPECIFICATIONS

STANDARDS

- + IEEE 802.11a²
- + IEEE 802.11g
- + IEEE 802.3
- + IEEE 802.11b
- + IEEE 802.11n draft

DEVICE INTERFACE

- + Factory Reset Button
- + 4 Giga LAN Ports
- + Internal Antenna
- + 1 Push-Button for Wi-Fi Protected Setup™
- + 1 3-way switch for: AP, Bridge and Auto mode

OPERATING FREQUENCY

- + 2.4 to 2.4835GHz
- + 5.15 to 5.35GHz
- + 5.47 to 5.85GHz

OPERATING CHANNELS

- + 11b/g
- 11 channels for USA
- 13 channels for EU
- + 11a
- 24 non-overlapping channels for USA
- 19 non-overlapping channels for EU

RADIO AND MODULATION SCHEMES

- + DBPSK
- + 16QAM
- + DQPSK
- + DSSS
- + QPSK
- + 64QAM with OFDM
- + DBPSK
- + CCK

OPERATION MODES

- + AP
- + Bridge
- + Auto

ANTENNA TYPE

- + Internal PIFA *2

MAXIMUM TRANSMIT OUTPUT POWER

- + For 802.11a: 17dBm (typical)
- + For 802.11b: 20dBm (typical)
- + For 802.11g: 19dBm (typical)
- + For 802.11n: 17dBm (typical)

RECEIVE SENSITIVITY

- + For 802.11a, at 10% PER:
- 6Mbps: -88dBm, 9Mbps: -87dBm
- 12Mbps: -86dBm, 18Mbps: -84dBm
- 24Mbps: -82dBm, 36Mbps: -78dBm
- 48Mbps: -72dBm, 54Mbps: -71dBm

+ For 802.11b, at 8% PER:

- 1Mbps: -90dBm 2Mbps: -90dBm
- 5.5Mbps: -88dBm 11Mbps: -85dBm

+ For 802.11g, at 10% PER:

- 6Mbps: -90dBm 9Mbps: -88dBm
- 12Mbps: -85dBm 18Mbps: -83dBm
- 24Mbps: -80dBm 36Mbps: -78dBm
- 48Mbps: -74dBm 54Mbps: -73dBm

+ For 802.11n(5G Band), at 10% PER:

- HT20
- 87dBm at MCS0 85dBm at MCS1
- 82dBm at MCS2 78dBm at MCS3
- 76dBm at MCS4 72dBm at MCS5
- 70dBm at MCS6 69dBm at MCS7
- HT40
- 84dBm at MCS0 81dBm at MCS1
- 79dBm at MCS2 75dBm at MCS3
- 73dBm at MCS4 68dBm at MCS5
- 66dBm at MCS6 65dBm at MCS7

+ For 802.11n(2.4G Band), at 10% PER:

- HT20
- 87dBm at MCS0 85dBm at MCS1
- 82dBm at MCS2 78dBm at MCS3
- 76dBm at MCS4 72dBm at MCS5
- 70dBm at MCS6 69dBm at MCS7
- HT40
- 84dBm at MCS0 81dBm at MCS1
- 79dBm at MCS2 75dBm at MCS3
- 73dBm at MCS4 68dBm at MCS5
- 66dBm at MCS6 65dBm at MCS7

+ For 802.11n(2.4G Band), at 10% PER:

- HT20
- 87dBm at MCS0 85dBm at MCS1
- 82dBm at MCS2 78dBm at MCS3
- 76dBm at MCS4 72dBm at MCS5
- 70dBm at MCS6 69dBm at MCS7
- HT40
- 84dBm at MCS0 81dBm at MCS1
- 79dBm at MCS2 75dBm at MCS3
- 73dBm at MCS4 68dBm at MCS5
- 66dBm at MCS6 65dBm at MCS7

SECURITY

- + 64/128-bit WEP
- + WPA™- PSK, WPA2™- PSK (Wi-Fi Protected Access)
- + WPS (Wi-Fi Protected Setup)

DEVICE MANAGEMENT

- + Internet Explorer® v6 or later
- + Mozilla® Firefox® v1.5 or later
- + Other Java-enabled Browsers

LEDS

- + Power
- + Status- LED: AP
- + Status- LED: Bridge
- + LAN

CERTIFICATIONS

- + FCC
- + CE
- + CSA
- + Wi-Fi 11n draft 2.0
- + Wi-Fi Protected Setup
- + IC
- + C-Tick
- + WMM PS

STORAGE HUMIDITY

- 5% to 95% non-condensing

DIAGNOSTIC LED

- + Power
- + AP
- + Bridge
- + LAN

OPERATING TEMPERATURE

- 0° to 40° C

STORAGE TEMPERATURE

- 20° to 65° C

OPERATING HUMIDITY

- 10% to 90% non-condensing

¹ Maximum wireless signal rate derived from IEEE Standard 802.11a, 802.11g, and draft 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

² Due to government regulations the 5.25-5.35GHz and 5.47-5.725GHz wireless bands are currently reserved.

³ 1-Year Limited Warranty available only in the USA and Canada.

⁴ Computer must adhere to Microsoft's recommended System Requirements.

⁵ Latest software and documentation are available at <http://support.dlink.com>.

This product is based on IEEE draft 802.11n specifications and is not guaranteed to be forward compatible with future versions of IEEE 802.11n specifications. Compatibility with draft 802.11n devices from other manufacturers is not guaranteed. All references to speed and range are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

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