XTREME N™ DUO™
WIRELESS BRIDGE/ACCESS POINT

OPTIMIZED PERFORMANCE

Stream High-Definition (HD) multimedia over a wireless connection

DUAL-BAND CONNECTION

Duo technology allows you to connect using either the 2.4 GHz or 5 GHz frequency band

GIGABIT LAN PORTS

High-speed gigabit ports give you blazing fast connections to your wired computers and devices

FLEXIBLE DUO TECHNOLOGY

The Xtreme N™ Duo™ Wireless Bridge/Access Point supports selectable dual band N (2.4 GHz or 5 GHz) wireless signals. This allows you to check e-mail and browse the internet using existing 802.11g and 802.11n products, or you can stream high-definition movies and other media on the 5 GHz band. The 5 GHz band helps provide a clearer wireless band with less interference, giving you smoother audio and video streaming.

HIGH-DEFINITION PERFORMANCE

The Xtreme N Duo 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 to the DAP-1522, such as game consoles, Digital Video Recorders (DVR), Network Attached Storage (NAS) devices, or Digital Media Adapters (DMA).

CONSERVE ENERGY WITH D-LINK GREEN TECHNOLOGY

The DAP-1522 employs D-Link Green technology, which helps you save energy automatically. The router detects which ports are not in use, and reduces power supplied to the ports automatically. The router also analyzes the length of the cables connected to it, and adjusts power used for each port accordingly. Both of these features combine to minimize energy use automatically without sacrificing performance.

BUILT-IN QOS AND TRAFFIC MANAGEMENT

Quality of Service (QoS) features allow you to assign levels of priority to different kinds of traffic, allowing you to ensure that streaming audio and video plays smoothly even while transferring files over your network. The Traffic Manager allows you to set bandwidth use based on LAN port or protocol, manage your device's bandwidth, and set rules for data transmission. It also helps you keep your network secure, by letting you deny unlisted clients to prevent unauthorized users from accessing your network.
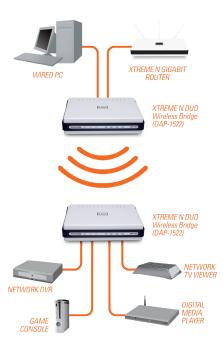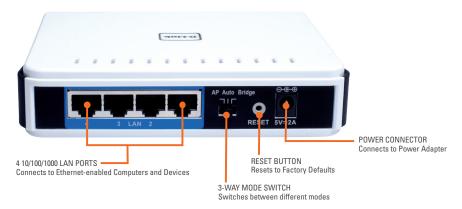
WHAT THIS PRODUCT DOES

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 connect normally wired Ethernet devices such as game consoles or DVRs to a wireless network. You can also bridge two different wired networks together to allow them to connect to each other wirelessly.

VERSATILE FUNCTIONS

- Get the best wireless technology available for viewing High-Definition (HD) videos
- Wirelessly connect all the devices in your entertainment center to your network and Internet
- Create a versatile wireless network with support for 802.11a, 802.11b/g, and 802.11n standards [1]
- Easy to install, add, or upgrade to any home network

WIRED PC

XTREME N GIGABIT ROUTER

XTREME N DUO Wireless Bridge (DAP-1522)

XTREME N DUO Wireless Bridge (DAP-1522)

NETWORK DVR

GAME CONSOLE

NETWORK TV VIEWER

DIGITAL MEDIA PLAYER

4 10/100/1000 LAN PORTS
Connects to Ethernet-enabled Computers and Devices

3-WAY MODE SWITCH
Switches between different modes

RESET BUTTON
Resets to Factory Defaults

POWER CONNECTOR
Connects to Power Adapter

TECHNICAL SPECIFICATIONS

STANDARDS
- IEEE 802.11a [2]
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n
- IEEE 802.3

DEVICE INTERFACE
- Factory Reset Button
- 4 10/100/1000 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 2.4835 GHz
- 5.15 to 5.35 GHz
- 5.47 to 5.85 GHz

OPERATING CHANNELS
- 11b/g/n
  - 11 channels for USA
  - 13 channels for EU
- 11a/n
  - 24 non-overlapping channels for USA
  - 19 non-overlapping channels for EU

RADIO AND MODULATION SCHEMES
- DBPSK
- QPSK
- 16QAM
- 64QAM with OFDM
- DQPSK
- DBPSK
- DSSS
- CCK

OPERATION MODES
- AP
- Auto
- Bridge

ANTENNA TYPE
- Internal PIFA *2

MAXIMUM TRANSMIT OUTPUT POWER
- For 802.11a: 14 dBm (typical)
- For 802.11b: 17 dBm (typical)
- For 802.11g: 16 dBm (typical)
- For 802.11n: 17 dBm (typical)

RECEIVE SENSITIVITY
- For 802.11a, at 10% PER:
  - 6 Mbps: -88 dBm,   9 Mbps: -87 dBm
  - 12 Mbps: -86 dBm,   18 Mbps: -84 dBm
  - 24 Mbps: -82 dBm,   36 Mbps: -78 dBm
  - 48 Mbps: -72 dBm,   54 Mbps: -71 dBm
- For 802.11b, at 8% PER:
  - 1 Mbps: -90 dBm   2 Mbps: -90 dBm
  - 5.5 Mbps: -88 dBm   11 Mbps: -85 dBm
- For 802.11g, at 10% PER:
  - 6 Mbps: -90 dBm   9 Mbps: -88 dBm
  - 12 Mbps: -85 dBm   18 Mbps: -83 dBm
  - 24 Mbps: -80 dBm   36 Mbps: -78 dBm
  - 48 Mbps: -74 dBm   54 Mbps: -73 dBm
- For 802.11n(5G Band), at 10% PER:
  - HT20
  - 87 dBm at MCS0   85 dBm at MCS1
  - 82 dBm at MCS2   78 dBm at MCS3
  - 76 dBm at MCS4   72 dBm at MCS5
  - 70 dBm at MCS6   69 dBm at MCS7
  - HT40
  - 84 dBm at MCS0   81 dBm at MCS1
  - 79 dBm at MCS2   75 dBm at MCS3
  - 73 dBm at MCS4   68 dBm at MCS5
  - 66 dBm at MCS6   65 dBm at MCS7
- For 802.11n(2.4G Band), at 10% PER:
  - HT20
  - 87 dBm at MCS0   85 dBm at MCS1
  - 82 dBm at MCS2   78 dBm at MCS3
  - 76 dBm at MCS4   72 dBm at MCS5
  - 70 dBm at MCS6   69 dBm at MCS7

- HT40
- 84 dBm at MCS0   81 dBm at MCS1
- 79 dBm at MCS2   75 dBm at MCS3
- 73 dBm at MCS4   68 dBm at MCS5
- 66 dBm at MCS6   65 dBm at MCS7

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

DEVICE MANAGEMENT
- Internet Explorer 6 or later
- Mozilla Firefox 1.5 or later
- Other Java-enabled Browsers

MULTI-LANGUAGE
- English/Spanish/German/Italian/French

LED STATUS INDICATORS
- Power
- Bridge
- AP
- LAN

DIMENSIONS (L x W x H)
- 146.05 x 114.3 x 31.75 mm (5.75 x 4.5 x 1.25 inches)

OPERATING TEMPERATURE
- 0 to 40 ˚C (32 to 104 ˚F)

STORAGE TEMPERATURE
- -20 to 65 ˚C (-4 to 149 ˚F)

OPERATING HUMIDITY
- 10% to 90% non-condensing

STORAGE HUMIDITY
- 5% to 95% non-condensing

CERTIFICATIONS
- FCC
- IC
- CE
- C-Tick
- CSA
- WMM PS
- Wi-Fi a/b/g/n
- Wi-Fi WPS

1 Maximum wireless signal rate derived from IEEE Standard 802.11a, 802.11g, and 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 Computer must adhere to Microsoft's recommended System Requirements.
3 Latest software and documentation are available at http://support.dlink.com