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.
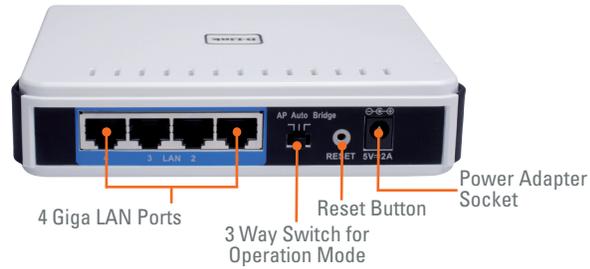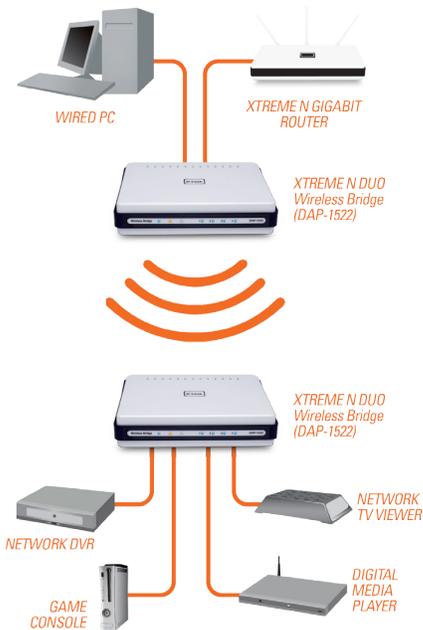
DAP-1522

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) technologies [1]

• It's easy to install, add, or upgrade to any home network

YOUR NETWORK SETUP

WIRED PC

XTREME N GIGABIT ROUTER

XTREME N DUO Wireless Bridge (DAP-1522)

XTREME N DUO Wireless Bridge (DAP-1522)

NETWORK DVR

NETWORK TV VIEWER

GAME CONSOLE

DIGITAL MEDIA PLAYER

4 Giga LAN Ports

3 Way Switch for Operation Mode

Reset Button

Power Adapter Socket

TECHNICAL SPECIFICATIONS

STANDARDS
+ IEEE 802.11a [2]
+ 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

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

WIRELESS N