D-Link®
Building Networks for People

General features

Higher 5GHz frequency band experiences less interference from other wireless devices.

Optimized performance for streaming High-Definition (HD) multimedia over your wireless connection.

Streams up to 3 HD video streams simultaneously.

The D-Link Wireless access point/bridge (DAP-1420) enables you to easily upgrade any router to support streaming of High-Definition (HD) multimedia content over a wireless connection. This device lets you create a 'bridge' between two different physical media types. This versatile kit transforms your wired device into a wireless one without the added hassle of installing Ethernet cables.

DAP-1422
The set of 2 DAP-1420 Wireless N300 Access Points/Bridges

Features

- IEEE 802.11n Compliant
- 5GHz for Smooth Video Streaming with Less Interference
- WPATM/WPA2TM, Wi-Fi Protected Setup (WPS)
- 10/100 Mbps Ethernet
- Intelligent QoS Prioritization Technology

Versitle functions

- The best wireless technology available for viewing High-Definition (HD) videos
- Wirelessly connect a device in your entertainment center to your network and Internet
- Upgrades your wireless network
- Easy to install, upgrade or add to any home network

DAP-1422 presents the set of two DAP-1420 wireless access points/bridges.

High-definition performance
The D-Link Wireless HD Video Bridge (DAP-1420) enables you to easily upgrade any network to support streaming of High-Definition (HD) multimedia content over a wireless connection. Connect any Ethernet-enabled device in your entertainment center like your game consoles, Digital Video Recorder (DVR) or Digital Media Adapters (DMA) to the DAP-1420 to upgrade your network and enable dual-band wireless streaming.

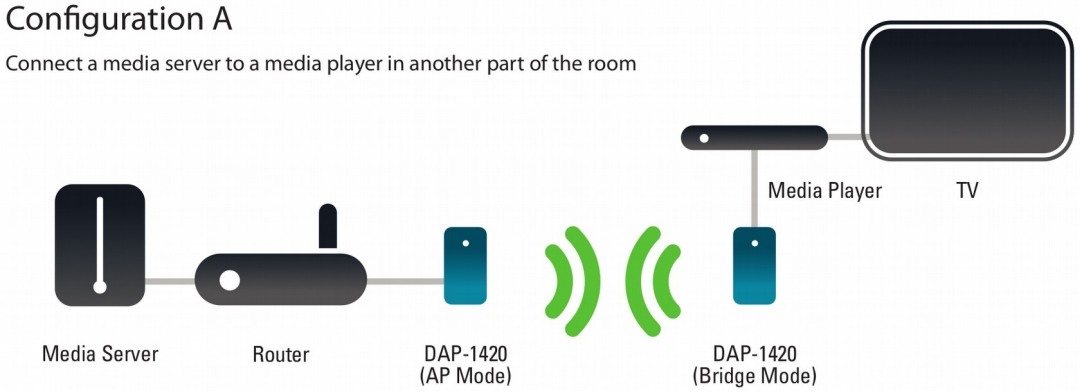
Speed and performance
Built-in antennas provide fast, stable speed and performance to enhance your gaming and HD video streaming experience. The DAP-1420 also uses Intelligent Antenna technology to transmit multiple streams of data by bouncing multiple wireless signals off of walls and ceilings to work around obstructions and help eliminate dead spots, enabling you to receive wireless signals in the farthest corners of your home.

Better wireless experience
The clearer 5GHz band provides less interference so you can stream High-Definition movies and other media giving you a better wireless experience with the fastest speeds possible.

Quality of service
The DAP-1420 is equipped with Quality of Service (QoS), which helps organize and prioritize the data streams in your network so your VoIP, HD Video streaming, and gaming runs smoother over your wireless network.

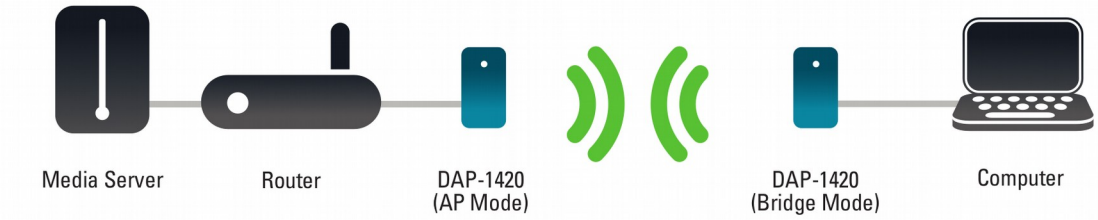
Configuration A

Connect a media server to a media player in another part of the room



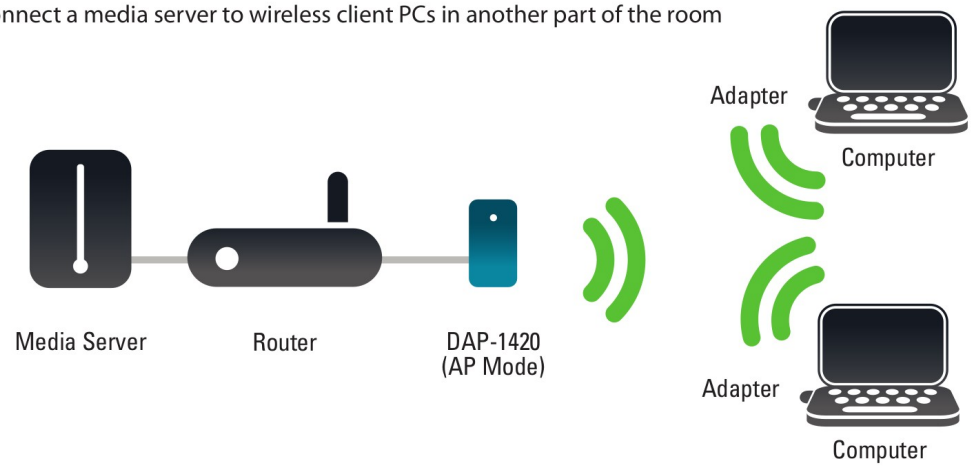
Configuration B

Connect a media server to a wired client PC in another part of the room



Configuration C

Connect a media server to wireless client PCs in another part of the room



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Technical specifications	
General	
Standards	• IEEE 802.11a • IEEE 802.11n • IEEE 802.3 • IEEE 802.3u • IEEE 802.3ab
Device interface	• Wi-Fi Protected Setup™ (WPS) Button • 1 x 10/100 LAN Port
Operation modes	• Access Point • Client Mode
Antenna type	• Built In Antenna
Security	• Wi-Fi Protected AccessTM (WPATM, WPA2TM) • Wi-Fi Protected Setup (WPS)
LEDS	• Power • Status: Wireless LAN • Status: LAN
Frequency band	• 5.15~5.85GHz
Wireless speed	• IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbit/s • IEEE 802.11 n: 300 Mbit/s*
The output power of the transmitter	• IEEE 802.11a (5.15~5.25GHz) 16 dBm (±1.5 dBm) at 6, 9, 12, 18, 24, 36, 48, 54 Mbit/s • IEEE 802.11a (5.725~5.825GHz) 17 dBm (±1.5 dBm) at 6 Mbit/s 16 dBm (±1.5 dBm) at 6, 9, 12, 18, 24, 36, 48, 54 Mbit/s • IEEE 802.11 n: • 5.15~5.25GHz/HT-20 13 dBm ±1.5 dBm at MCS0-MCS15 5.725~5.825GHz/HT-20 17 dBm ±1.5 dBm at MCS0-MCS5 16 dBm ±1.5 dBm at MCS6, MCS8-MCS14 14 dBm ±1.5 dBm at MCS7, MCS15 5.15~5.25GHz/HT-40 16 dBm ±1.5 dBm at MCS0 14 dBm ±1.5 dBm at MCS1-MCS7 13 dBm ±1.5 dBm at MCS8-MCS15 5.725~5.825GHz/HT-40 17 dBm ±1.5 dBm at MCS0-MCS5 16 dBm ±1.5 dBm at MCS6, MCS8-MCS14 14 dBm ±1.5 dBm at MCS7, MCS15
Receiver sensitivity	• IEEE 802.11a -69 dBm (±2dBm) at 54 Mbit/s • IEEE 802.11 n (HT20/5GHz) -65 dBm (±2dBm) at MCS15 • IEEE 802.11 n (HT40/5GHz) -63 dBm (±2dBm) at MCS15
Power consumption	• TX: 12V/0.44A • RX: 12V/0.385A
Minimum system requirements	Computer with: • Windows 7**, Windows Vista**, Windows XP SP3** or Mac OS X (v10.4)*** • Internet Explorer v7 • Network Interface Card For Internet access: • Cable or DSL modem • Subscription to an Internet Service

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Package contents

- Wireless N300 Access Points/Bridges DAP-1420 (x2)
- 1 Ethernet cable
- 1 power adapter
- Quick Installation Guide

Physical & environmental

Temperature	• Operating: 0° to 40°C • Storage: -20° to 80°C
Dimensions (L X W X H)	• Device: 167.8 x 119.8 x 31.3mm • With stand: 185.0 x 119.8 x 31.3mm

Certifications

- FCC Class B
- UL
- CE

** Maximum wireless signal rate derived from IEEE Standard 802.11n specification. 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 may adversely affect wireless signal range. The maximum capacity is provided using standard 802.11n.*
*** Computer meets the system requirements recommended by Microsoft.*
**** The software included with this product is not MAC-compatible.*

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