D-Link
Building Networks for People

Product Highlights

Multiple Operating Modes

Flexible configuration options allow the AP to function as an access point, wireless client, bridge, bridge with AP, repeater, WISP client router, or WISP repeater

Complete Security Solution

A complete set of security features including WEP/WPA/WPA2/WPS safeguard your network against outside intruders

Better Wireless Speed and Coverage

Wireless N standard offers higher speeds; up to fourteen times faster than 802.11g, and an increased range of up to six times greater than 802.11g[1]

DAP-2020
Wireless N Access Point

Features

Connectivity
- Wireless N connectivity
- Wireless 802.11g/b backward compatibility
- Wireless speeds of up to 300 Mbps[1]

Multiple Operation Modes
- Access point
- Wireless client
- Bridge
- Bridge with AP
- Repeater
- WISP client router
- WISP repeater (range extender)

Security
- WPA2/WPA wireless encryption
- Wi-Fi Protected Setup (WPS)

Easy to Use and Manage
- Intuitive web user interface
- Built-in setup wizard

The D-Link DAP-2020 Wireless N Access Point can provide your wired network with wireless connectivity, or upgrade your existing wireless network and extend its coverage. Enjoy surfing the web, checking e-mail, and chatting with family and friends online, at faster speeds, and from previously out-of-reach locations.

Fast and Reliable Wireless Connectivity

The IEEE 802.11n-compliant DAP-2020 delivers wireless speeds of up to 16 times faster and covers a range of up to 6 times larger[1] than IEEE 802.11g wireless, while retaining backward compatibility with 802.11g and 802.11b devices.

Secure Your Wireless Network

The DAP-2020 provides 64/128-bit WEP encryption and WPA/WPA2 security to protect your network and wireless data. This device also supports Wi-Fi Protected Setup (WPS) to quickly and securely set up a wireless network. In addition, the device features MAC address filtering and the ability to disable SSID broadcasting, preventing unauthorized access to your home or office network.

Multiple Operation Modes

The DAP-2020 offers seven different modes of operation. These modes allow you to flexibly configure the device to suit a variety of different wireless applications. Access Point mode allows the device to act as a central hub for wireless users. Wireless Client mode enables the DAP-2020 to connect to another access point. Bridge mode can join two wired networks together, while Bridge with AP mode allows the device to act as a wireless hub and as a bridge at the same time. Repeater mode extends wireless coverage to cover all dead spots. WISP Client Router mode allows wireless Internet service subscribers to share an Internet connection with wired home/office computers without the need for an extra router. Finally, the device can act as a WISP repeater (range extender) to let WISP subscribers share their Internet connection with wired and wireless computers, without any additional routers.

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DAP-2020 Wireless N Access Point

Quick and Easy Installation

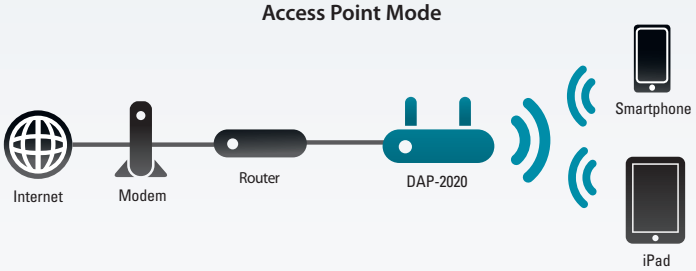
With the D-Link setup wizard, you can set up your wireless network in a matter of minutes. It configures your DAP-2020's operating mode and allows you to easily add new wireless devices to the network. Create a simple wireless network for your home or office quickly and easily with the DAP-2020.

Effective Power Saving

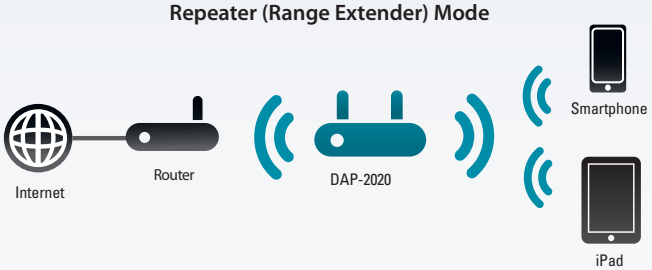
The DAP-2020 includes a built-in schedule function that dynamically turns the wireless network off when it is not in use. This feature reduces power consumption, thus saving you both energy and money.

Multiple Operation Modes

Access Point Mode



Repeater (Range Extender) Mode

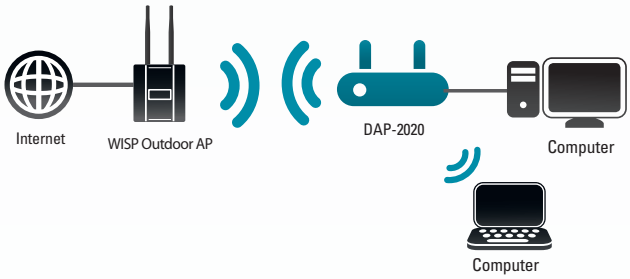


Wireless Client Mode

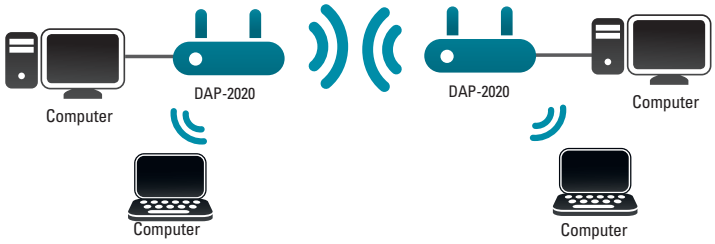
WISP (Wireless Internet Service Provider) Client Router Mode

Bridge Mode

WISP Repeater Mode



Bridge with AP Mode



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Technical Specifications

General		
Network Standards	• 802.11n wireless LAN • 802.11g wireless LAN • 802.11b wireless LAN	• 802.3/802.3i/j/u 10BASE-T/100BASE-TX Ethernet • ANSI/IEEE 802.3 NWay auto-negotiation
Device Interfaces	• 802.11n/g/b wireless LAN	• One 10/100BASE-TX Ethernet LAN port
Operating Frequency	• 2.4 to 2.4835 GHz	
Operating Channels	• ETSI: 13	
Radio & Modulation Schemes	• DQPSK, DBPSK, CCK, OFDM	
Functionality		
Operating Modes	• Access Point • Wireless Client • Bridge • Bridge with AP	• Repeater (range extender) • WISP Client Router • WISP Repeater
Antennas	• Two 5 dBi gain detachable omni-directional antennas with RP-SMA connector	
Security	• 64/128-bit WEP data encryption • WPA-PSK, WPA2-PSK • WPA-EAP, WPA2-EAP • TKIP, AES	• MAC address filtering • SSID broadcast disable function • WPS (Wi-Fi Protected Setup)
Advanced Features	• Quality of Service (QoS): Wi-Fi Multimedia (WMM)	
Device Management	• Web-based management through Microsoft Internet Explorer 6 or higher, Firefox 3.0 or higher, or other Java-enabled browser	
Status LEDs	• Power • Wireless	• Security • LAN
Physical		
Dimensions	• 147.5 x 113 x 31.5 mm (5.81 x 4.45 x 1.24 inches)	
Weight	• 224.7 g (0.50 lbs)	
Power Input	• External power adapter: 12 V DC/0.5 A	
Max. Power Consumption	• 2.25 W	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -20 to 65 °C (-4 to 149 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 95% non-condensing
Certifications	• Wi-Fi, CE	

DAP-2020 Wireless N Access Point

Order Information	
Part Number	*Description*
DAP-2020	Wireless N Access Point

[1] Maximum wireless signal rate derived from IEEE Standard 802.11g and 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, buildings materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range. Wireless range and speed rates are D-Link relative performance measurements based on the wireless range and speed rates of a standard Wireless G product from D-Link. Maximum throughput is based on D-Link 802.11n devices.

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