

**650%  
FASTER  
THAN 802.11G<sup>1</sup>**



## RANGEBOOSTER N™ 650 ACCESS POINT

### TOTAL PERFORMANCE

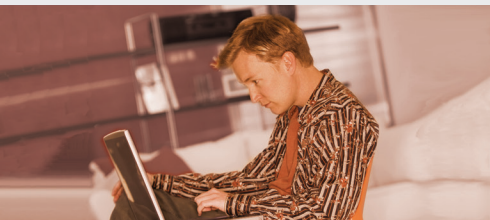
Create a wireless network with 802.11n technology for total network performance

### TOTAL SECURITY

Features a complete set of security features, including WPA2, to protect your network against outside intruders

### TOTAL COVERAGE

Provides greater wireless signal rates across greater distances for best-in-class network coverage



### HIGH NETWORK SPEEDS

The D-Link RangeBooster N™ 650 Access Point DAP-1353 is an 802.11n-compliant device that delivers transmission rates that are faster than 100 Mbps wired Ethernet<sup>1</sup>, and real-world wireless performance that is up to 650% faster than 802.11g wireless connections.<sup>1</sup> This Access Point is designed to provide connectivity for wireless computer users and wireless LAN nodes such as print servers on the 2.4 GHz frequency band. It delivers fast wireless performance while remaining fully compatible with 802.11g and 802.11b devices. Connect this RangeBooster N™ 650 Access Point to an Internet-enabled wired network and wirelessly share high-speed Internet access. For superior performance, add other RangeBooster N™ 650 devices, such as the RangeBooster N™ 650 notebook and desktop adapters, and enable wireless coverage that extends to virtually every corner of your home or office.

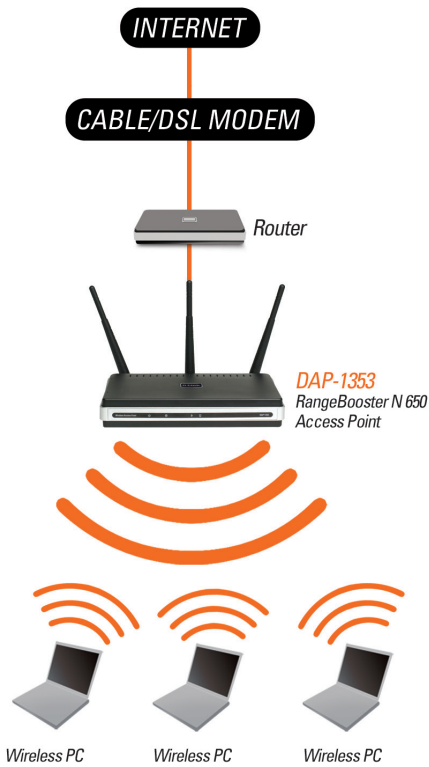
### EXTENDED HOME NETWORK COVERAGE

Powered by RangeBooster N™ 650 technology, this high-performance Access Point provides superior network coverage while minimizing dead spots. Utilize the three adjustable antennas to configure optimal settings specific to your environment. The RangeBooster N™ 650 Access Point is designed for use in bigger homes/offices and for users who demand higher networking performance.

### EASY TO SET UP, EASY TO USE

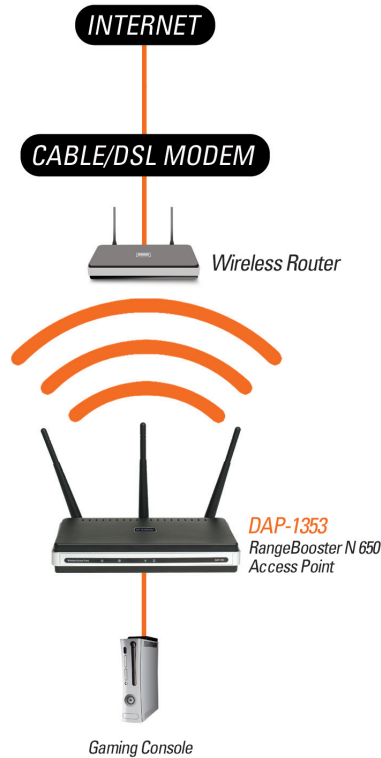
D-Link's Setup Wizard guides you through every step of the installation process. Configure this Access Point without having to call a networking expert to help you. Create an 802.11n wireless network with a data throughput capable of accommodating intense gaming, audio/video streaming, and large file transfers. With its best-in-class wireless performance, superior network security, and enhanced network coverage, the RangeBooster N™ 650 Access Point is an integral part of any next-generation wireless network.

## Access Point Mode



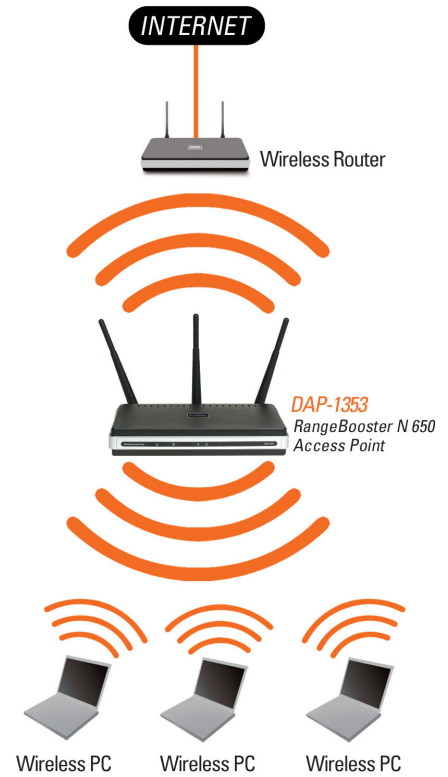
Wireless PCs using the DAP-1353 as a central connection point

## Wireless Client Mode



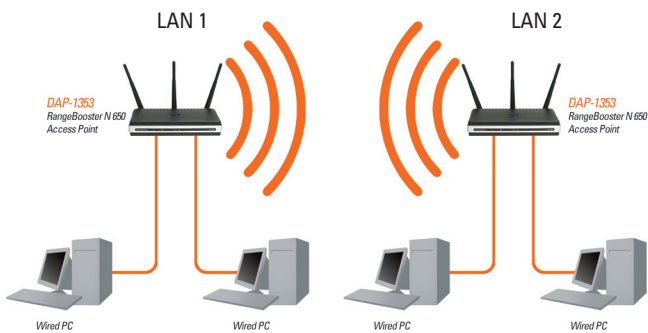
Ethernet-enabled gaming console using the DAP-1353 as a wireless interface to access the Internet

## AP Repeater Mode



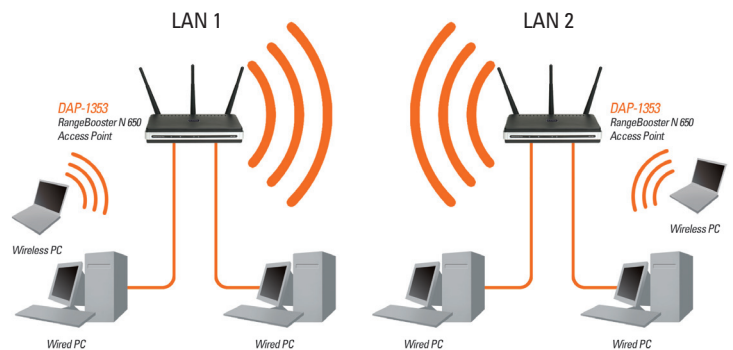
Extending the wireless coverage of a wireless router using the DAP-1353

## WDS Mode



Connecting two separate LANs together through two DAP-1353 units (In this mode, wireless PCs cannot access the DAP-1353 units)

## WDS with AP Mode



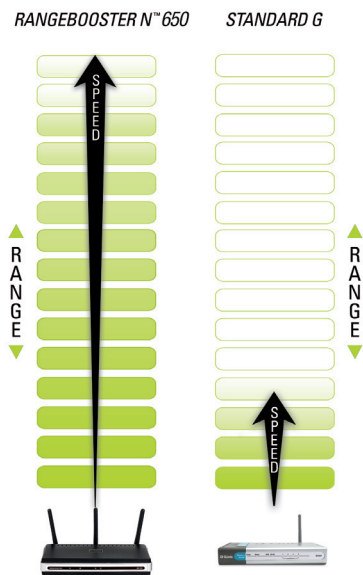
Connecting two separate LANs together through two DAP-1353 units (In this mode, Wireless PCs can access the DAP-1353 units)

### WHAT THIS PRODUCT DOES

Wirelessly share Internet access by connecting the RangeBooster N™ 650 Access Point to an existing Internet-enabled wired network. For superior performance, use the RangeBooster N™ 650 Access Point with other RangeBooster N™ 650 devices to provide wireless coverage that extends to virtually every corner of your home or office.

### ULTIMATE PERFORMANCE

Based on IEEE 802.11n specifications, D-Link's RangeBooster N™ 650 technology delivers real-world performance that is 650% faster than 802.11g, for best-in-class home network coverage.<sup>1</sup>



### TECHNICAL SPECIFICATIONS

#### STANDARDS

- IEEE 802.11n
- IEEE 802.11g
- IEEE 802.11b
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab

#### FREQUENCY RANGE

- 2412 to 2462 MHz (North America)
- 2412 to 2472 MHz (General Europe)

#### EMISSION SCHEMES

- DSSS
- OFDM

#### DATA MODULATION SCHEMES

- DBPSK, DQPSK, CCK and OFDM
- (BPSK/QPSK/16-QAM/64-QAM)

#### DATA RATES<sup>1</sup>

- 802.11g: 6/9/12/18/24/36/48/54 Mbps
- 802.11b: 1/2/5.5/11 Mbps
- 802.11n: 30/60/90/120/180/240/270/300 Mbps

#### TYPICAL TRANSMIT OUTPUT POWER<sup>2</sup>

- FCC: 18 dBm
- ETSI: 12 dBm

#### ANTENNAS

- 3 detachable 3 dBi gain dipole antennas (RP-SMA connectors)

#### ETHERNET INTERFACE

- 10/100/1000 BASE-TX port

#### SECURITY

- 64/128-bit WEP data encryption
- Wi-Fi Protected Access (WPA, WPA2)
- MAC Address Filtering
- 4 SSIDs for network segmentation
- SSID broadcast disable function
- 802.1Q VLAN Tagging
- 802.1X

#### OPERATION MODES

- Access Point
- AP Repeater
- WDS with AP
- WDS
- Wireless Client

#### QoS & PERFORMANCE ENHANCEMENT

- WMM (Wi-Fi Multimedia)
- User Limit
- QoS

#### DEVICE MANAGEMENT

- Internet Explorer 6 or later; Mozilla Firefox 1.5 or later; or other Java-enabled browsers
- Reset button
- SNMP
- Telnet
- SSL/SSH protocol support
- AP Manager II

#### LEDS

- Power
- WLAN
- LAN

#### POWER INPUT

- 5 V DC 2.5 A through external power adapter

#### DIMENSIONS (L x W x H)

- 198 x 120 x 32 mm (7.8 x 4.7 x 1.3 inches)

#### WEIGHT

- 319 grams (0.705 lb)

#### 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)

#### EMI CERTIFICATIONS

- CE
- C-Tick
- FCC Class B
- IC

#### SAFETY CERTIFICATION

- CSA

<sup>1</sup> 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, building materials and construction, and network overhead, lower actual data throughput rate. All references to speed are for comparison purposes only.

<sup>2</sup> Maximum output power varies according to individual countries.



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