

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



## RANGEBOOSTER N™ 650 ACCESS POINT

### TOTAL PERFORMANCE

Create a wireless network with the latest draft 802.11n technology for total network performance

### TOTAL SECURITY

Complete set of security features including WPA2 to protect your network against outside intruders

### TOTAL COVERAGE

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



### ULTIMATE PERFORMANCE

The D-Link RangeBooster N 650 Access Point DAP-1353 is a draft 802.11n compliant device that delivers real world performance of up to 650% faster than 802.11g wireless connection and transmission rates faster than 100Mbps wired Ethernet. <sup>1</sup> Providing connectivity for wireless computer users and wireless LAN nodes such as print servers on the 2.4GHz frequency band, this Access Point provides a 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. For superior performance, add other RangeBooster N 650 devices such as the RangeBooster N 650 notebook and desktop adapters, and enable a 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 that demand higher networking performance.

### EASY TO SETUP, EASY TO USE

D-Link's Wireless Network Wizard guides you step-by-step through the installation process. Configure this Access Point without having to call a networking expert to help you. Create a draft 802.11n wireless network with a data throughput capable of intense gaming, audio/video streaming, and large file transfers.

Delivering best-in-class wireless performance, superior network security, and enhanced network coverage, the RangeBooster N 650 Access Point is an integral piece for your next generation wireless network.

#### WHAT THIS PRODUCT DOES

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

#### ULTIMATE PERFORMANCE

Based on the latest draft 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 (draft)
- IEEE 802.11g
- IEEE 802.11b
- IEEE 802.3
- IEEE 802.3u

##### FREQUENCY RANGE

- 2412 to 2462MHz (North America)
- 2412 to 2472MHz (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: 6/9/12/18/24/36/48/54Mbps
- 802.11b: 1/2/5.5/11Mbps
- 802.11n: 30/60/90/120/180/240/270/300Mbps

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

- FCC
- 18dBm
- ETSI
- 12dBm

##### ANTENNAS

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

##### ETHERNET INTERFACE

10/100/1000BASE-TX port

##### SECURITY

- 64/128-bit WEP data encryption
- Wi-Fi Protected Access (WPA, WPA2)
- Mac Address Filtering
- 8 SSID for Network Segmentation
- SSID broadcast disable Function
- 802.1Q VLAN Tagging

##### OPERATION MODES

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

##### QoS & PERFORMANCE ENHANCEMENT

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

##### DEVICE MANAGEMENT

- Internet Explorer v6 or later; Mozilla Firefox v1.5 or later; or other Java-enabled browsers
- Reset button
- SNMP
- Telnet
- SSL/SSH protocol support
- AP Manager II

##### LED

- Power
- WLAN
- LAN

##### POWER INPUT

5VDC 2.5A  
Through external power adapter

##### DIMENSIONS

198 (L) x 120 (W) x 32 mm (H)  
(7.8 x 4.72 x 1.26 inches)

##### WEIGHT

319 grams (0.705 lb)

##### OPERATING TEMPERATURE

0°C to 40°C (32°F to 104°F)

##### STORAGE TEMPERATURE

-20°C to 65°C (-4°F to 149°F)

##### OPERATING HUMIDITY

10% to 90% (non-condensing)

##### STORAGE HUMIDITY

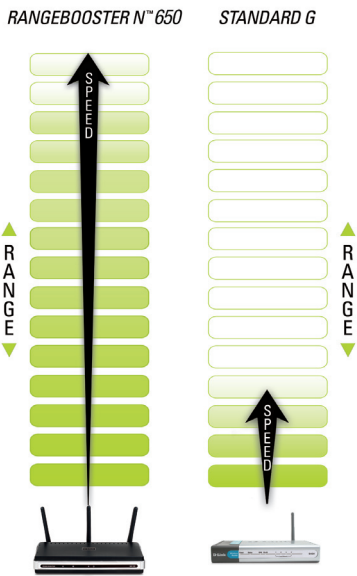
5% to 95% (non-condensing)

##### EMI CERTIFICATIONS

FCC Class B, CE, IC, C-Tick

##### SAFETY CERTIFICATION

CSA



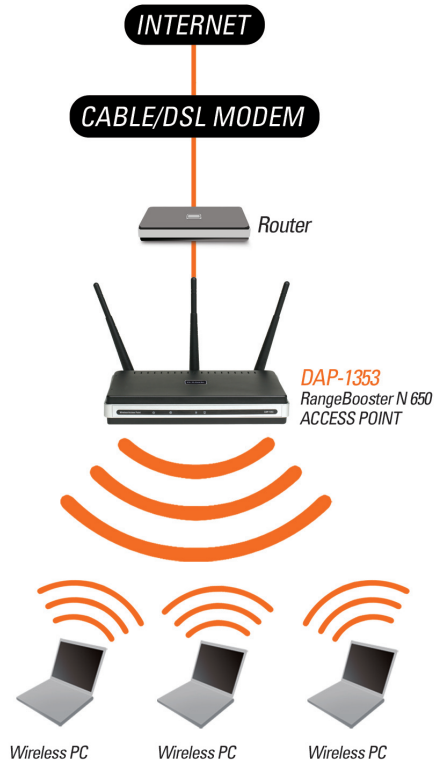
<sup>1</sup> Maximum wireless signal rate derived from IEEE standard 802.11g and draft 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. All references to speed are for comparison purposes only.

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



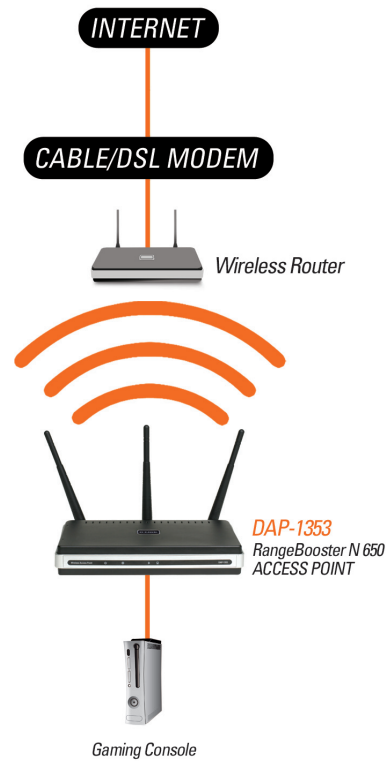
**D-Link Corporation**  
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### Access Point Mode



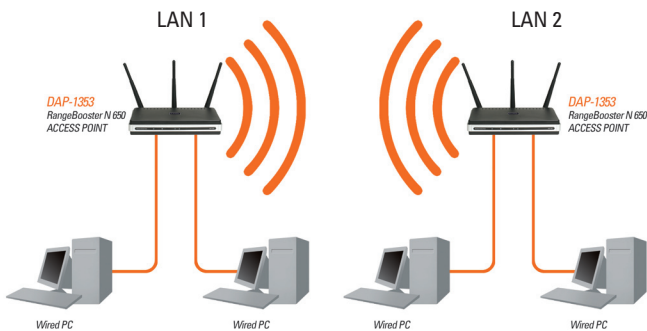
Wireless PCs using the DAP-1353 as a central connection point

### Wireless Client Mode



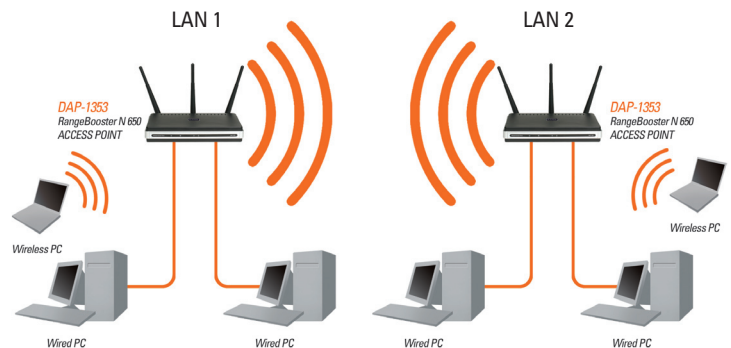
Ethernet-enabled gaming console using the DAP-1353 as a wireless interface to Access the Internet

### WDS Mode



Connecting two separate LANs together through two DAP-1353 units (Wireless PCs cannot access the DAP-1353 units)

### WDS with AP Mode



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