

**650%
FASTER
THAN 802.11G¹**



RANGEBOOSTER N™ 650 ACCESS POINT

TOTAL PERFORMANCE

Create a wireless home 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 home 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. ¹ 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 coverage¹.



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 RATES¹

- + 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

TRANSMIT OUTPUT POWER²

16dBm (typical)

EIRP

19dbm (typical)

ANTENNAS

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

RECEIVE SENSITIVITY (802.11b)

- (Typical Sensitivity at 8% PER)
- + -84dBm at 11Mbps
- + -90dBm at 2Mbps

RECEIVE SENSITIVITY (802.11g)

- (Typical Sensitivity at 10% PER, 1000-byte PDUs)
- + -86dBm at 6Mbps
- + -86dBm at 9Mbps
- + -84dBm at 12Mbps
- + -82dBm at 18Mbps
- + -78dBm at 24Mbps

- + -75dBm at 36Mbps
- + -71dBm at 48Mbps
- + -70dBm at 54Mbps

RECEIVE SENSITIVITY (draft 802.11n)

(Typical Sensitivity at 10% PER, 1000-byte PDUs)

- + -88dBm (BPSK, coding rate 1/2 MCS-0)
- + -84dBm (QPSK, coding rate 1/2 MCS-1)
- + -81dBm (QPSK, coding rate 3/4 MCS-2)
- + -78dBm (16-QAM, coding rate 1/2 MCS-3)
- + -75dBm (16-QAM, coding rate 3/4 MCS-4)
- + -70dBm (64-QAM, coding rate 2/3 MCS-5)
- + -69dBm (64-QAM, coding rate 3/4 MCS-6)
- + -68dBm (64-QAM, coding rate 5/6 MCS-7)

ETHERNET INTERFACE

10/100BASE-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
- + AP Repeater
- + Wireless Client

QoS & PERFORMANCE ENHANCEMENT

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

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

LED

- + Power
- + Status
- + WLAN
- + LAN (10/100)

POWER CONSUMPTION

9 Watts

POWER INPUT

5VDC 3A
Through external power adapter

DIMENSIONS

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

WEIGHT

325 grams (0.717 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

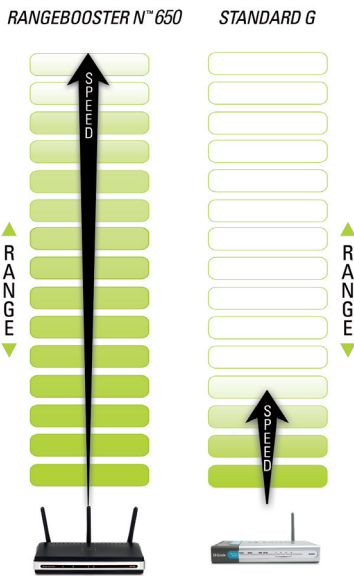
5% to 95% (non-condensing)

EMI CERTIFICATIONS

FCC Class B, CE, IC, C-Tick

SAFETY CERTIFICATION

CSA



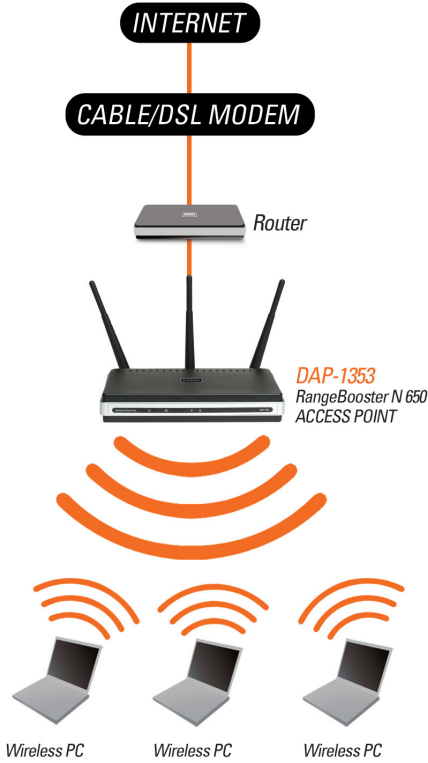
¹ Maximum wireless signal rate derived from IEEE standard 802.11g and draft 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput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

² Maximum output power setting varies according to individual countries.

D-Link Worldwide Offices

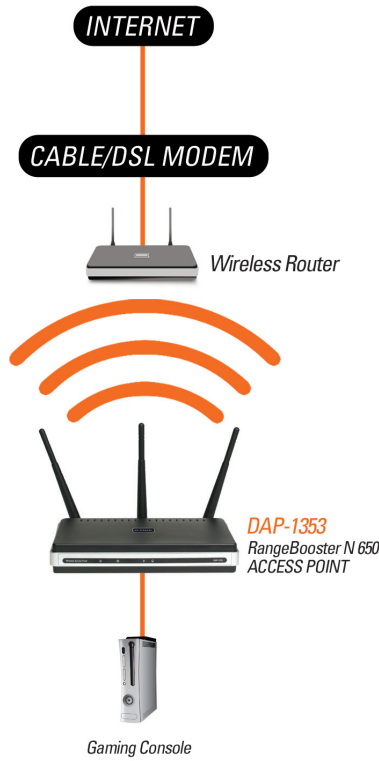
U.S.A	TEL: 1-800-326-1888	FAX: 1-866-743-4905	Spain	TEL: 34 93 409 0770	FAX: 34 93 491 0795	Iran	TEL: 90-212-289-5659	FAX: 90-212-289-7606
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223	Portugal	TEL: 351 21 8688493	FAX: 351 21 8622492	Pakistan	TEL: 92-21-454-8158	FAX: 92-21-453-5103
Europe (U. K.)	TEL: 44-20-8955-9000	FAX: 44-20-8955-9001	Greece	TEL: 30 210 9914 512	FAX: 30 210 9816902	Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
Germany	TEL: 49-6196-77990	FAX: 49-6196-7793000	Czech Republic	TEL: 420 224 247 500	FAX: 420 224 234 967	Latin America	TEL: 56-2-5838-950	FAX: 56-2-5838953
France	TEL: 33 1 30 23 86 88	FAX: 33 1 30 23 86 89	Hungary	TEL: 36 (0)1 461 30 00	FAX: 36 (0)1 461 30 04	Brazil	TEL: 55-11-2185-9300	FAX: 55-11-2185-9322
Netherlands	TEL: 31-10-282-1445	FAX: 31-10-282-1331	Poland	TEL: 48 (0)22 583 92 75	FAX: 48 (0)22 583 92 76	South Africa	TEL: 27-12-665-2165	FAX: 27-12-665-2186
Belgium & Luxembourg	TEL: 32 (0)2 517 1111	FAX: 32 (0)2 517 6500	Bulgaria	TEL: 359 2 958 22 42	FAX: 359 2 958 65 57	Russia	TEL: 7-495-744-0099	FAX: 7-495-744-0099
Switzerland	TEL: 41 (0)1 832 11 00	FAX: 41 (0)1 832 11 01	Romania	TEL: 40(0)21 320 23 05	FAX: 40(0)21 320 23 07	Japan	TEL: 81-3-5781-0963	FAX: 81-3-5781-0965
Austria	TEL: 43 (0)1 240 27 270	FAX: 43 (0)1 240 27 271	Singapore	TEL: 65-6774-6233	FAX: 65-6774-63225	Korea	TEL: 82-2-890-5491	FAX: 82-2-890-5490
Sweden	TEL: 46 (0)8 564 619 00	FAX: 46 (0)8 564 619 01	Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868	China	TEL: 86-10-58635800	FAX: 86-10-58635799
Denmark	TEL: 45-43-969040	FAX: 45-43-424347	India	TEL: 91-22-2652 6696	FAX: 91-22-2652 8914	Taiwan	TEL: 886-2-6600-0123	FAX: 886-2-6600-3339
Norway	TEL: 47 99 300 100	FAX: 47 22 30 90 85	Middle East (Dubai)	TEL: 971-4-391-6480	FAX: 971-4-390-8881	Headquarters	TEL: 886-2-6600-0123	FAX: 886-2-6600-9898
Finland	TEL: 358-10 309 8840	FAX: 358-10 309 8841	Egypt	TEL: 202-291-9035	FAX: 202-291-9051			
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723	Turkey	TEL: 90-212-289-5659	FAX: 90-212-289-7606			

Access Point Mode



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

Wireless Client Mode



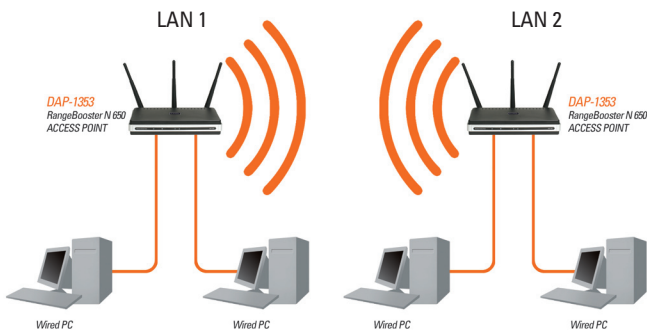
Ethernet-enabled gaming console using the DAP-1353 as a wireless interface to Access the Internet

AP Repeater Mode



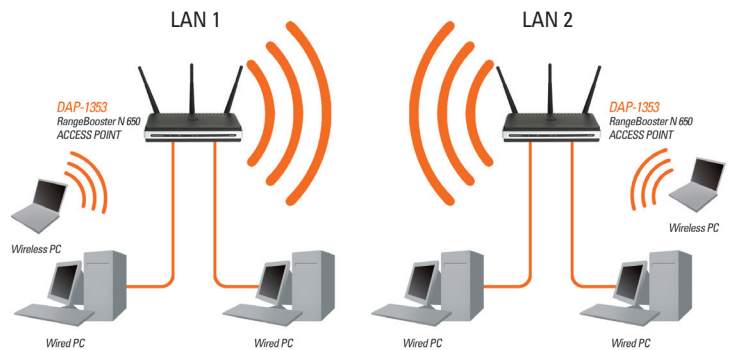
Extending the wireless coverage of a wireless router using the DAP-1353

WDS Mode



Connecting two separate LANs together through two DAP-1353 units (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)