D-Link®

650% FASTER THAN 802.11G[1]

RANGEBOOSTER N™ 650 ACCESS POINT

TOTAL PERFORMANCE	*TOTAL SECURITY*	*TOTAL COVERAGE*
Create a wireless network with the latest draft 802.11n technology for total network performance	Complete set of security features including WPA2 to protect your network against outside intruders	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. [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.

WIRELESS

DAP-1353

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 [1].

TECHNICAL SPECIFICATIONS

STANDARDS
- IEEE 802.11n (draft)
- IEEE 802.11g
- IEEE 802.11b
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab

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 [1]
- 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 [2]
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
- 4 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 (32ºF to 104ºF)

STORAGE TEMPERATURE
-20°C to 65°C (-4ºF to 149ºF)

OPERATING HUMIDITY
10% to 90% (non-condensing)
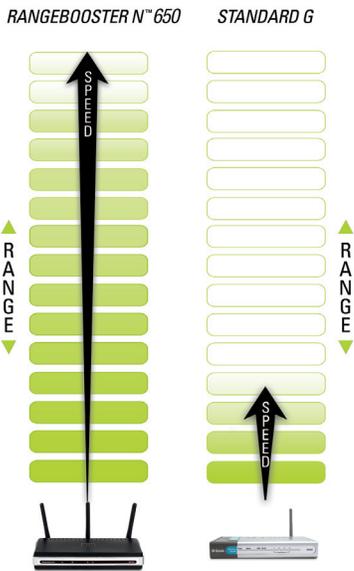
STORAGE HUMIDITY
5% to 95% (non-condensing)

EMI CERTIFICATIONS
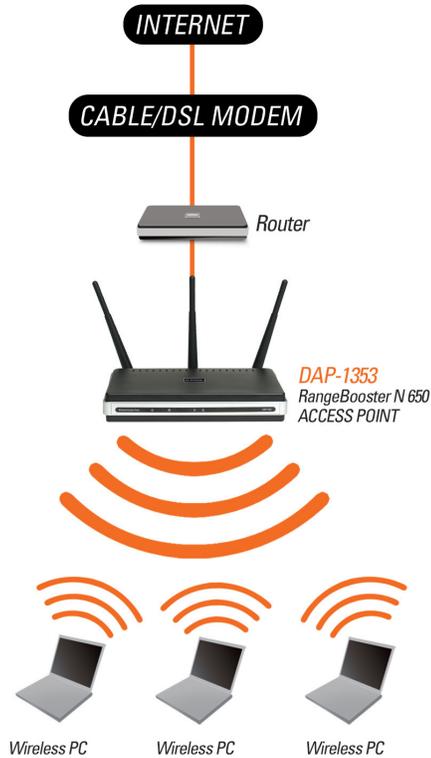FCC Class B, CE, IC, C-Tick

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.

RANGEBOOSTER N™ 650   STANDARD G

SPEED
RANGE
RANGE
SPEED

WIRELESS

DAP-1353

Access Point Mode

INTERNET

CABLE/DSL MODEM

Router

DAP-1353
RangeBooster N 650
ACCESS POINT

Wireless PC   *Wireless PC*   *Wireless PC*

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

Wireless Client Mode

INTERNET

CABLE/DSL MODEM

Wireless Router

DAP-1353
RangeBooster N 650
ACCESS POINT

Gaming Console

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

WDS Mode

LAN 1   LAN 2

DAP-1353
RangeBooster N 650
ACCESS POINT

DAP-1353
RangeBooster N 650
ACCESS POINT

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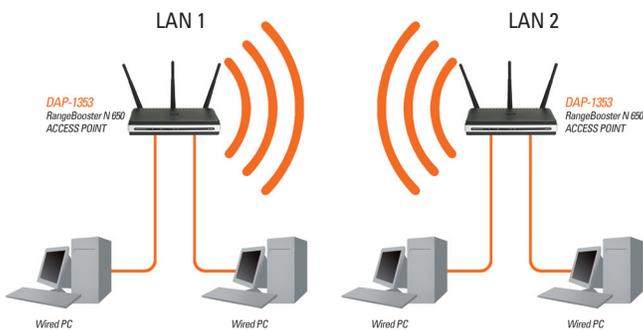
**Connecting two separate LANs together through two DAP-1353 units
(Wireless PCs cannot access the DAP-1353 units)**

WDS with AP Mode

LAN 1   LAN 2

DAP-1353
RangeBooster N 650
ACCESS POINT

DAP-1353
RangeBooster N 650
ACCESS POINT

Wireless PC

Wireless PC

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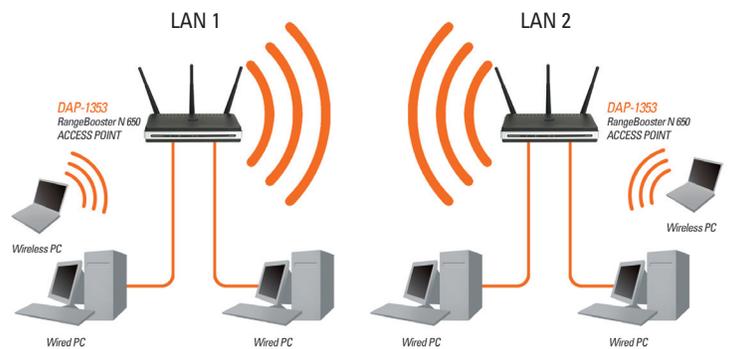
**Connecting two separate LANs together through two DAP-1353 units
(Wireless PCs can access the DAP-1353 units)**