

**BUILT-IN  
INTERNAL MIMO  
ANTENNA  
DESIGN**

## RANGEBOOSTER N ADSL2+ ROUTER

### HIGH-SPEED ADSL2/2+ INTERNET CONNECTION

Latest ADSL2/2+ standards provide Internet transmission of up to 24Mbps downstream, 1Mbps upstream

### HIGH-PERFORMANCE WIRELESS

Embedded latest draft 802.11n technology for high-speed wireless connection, complete compatibility with 802.11b/g wireless devices

### TOTAL SECURITY & QoS

Firewall protection from Internet attacks, user access control, WPA/WPA2 wireless security and priority queues for smooth VoIP traffic/streaming multimedia

### ULTIMATE INTERNET CONNECTION

The DSL-2740B RangeBooster N ADSL2+ router is a versatile, high-performance remote router for home and the small office. With integrated ADSL2/2+ supporting up to 24Mbps download speed, firewall protection, Quality of Service (QoS), draft 802.11n wireless LAN and 4 Ethernet switch ports, this router provides all the functions that a home or small office needs to establish a secure and high-speed remote link to the outside world.

### ULTIMATE WIRELESS CONNECTION WITH MAXIMAL SECURITY

Powered by RangeBooster N technology, this router provides wireless speeds of up to 300Mbps<sup>1</sup>. Maximize wireless performance by connecting this router to computers equipped with RangeBooster N wireless interfaces and stay connected from virtually anywhere at home and in the office. The router can also be used with 802.11g and 802.11b wireless networks to enable significantly improved reception. It supports WPA/WPA2 and WEP for flexible user access security and data encryption methods. There is a built-in WPS button for easy wireless setup. A wireless ON/OFF button is also included for user convenience.

### FIREWALL PROTECTION & QoS

Security features prevents unauthorized access to the home and office network, be it from the wireless devices or from the Internet. The router provides firewall security using Stateful Packet Inspection (SPI) and hacker attack logging for Denial of Service (DoS) attack protection. SPI inspects the contents of all incoming packet headers before deciding what packets are allowed to pass through. Router access control is provided with packet filtering based on port and source/destination MAC/IP addresses. For Quality of Service (QoS), the router supports multiple priority queues to enable a group of home or office users to experience the benefit of smooth network connection of inbound and outbound data without concern of traffic congestion. This QoS support allows users to enjoy high ADSL transmission for applications such as VoIP and streaming multimedia over the Internet.

#### WHAT THIS PRODUCT DOES

This RangeBooster N ADSL2+ Router connects a group of users to the Internet, allowing multiple computers at home or the office to share an integrated high-speed ADSL2+ interface. It provides high-performance draft 802.11n wireless access for wireless networked computers, 4 built-in Ethernet ports, firewall protection and QoS for smooth and secure download/upload of photos, files, music, video and e-mail over the Internet.

#### GET HIGH ADSL AND WIRELESS PERFORMANCE

Ready ADSL connection with up to 24Mbps downstream and 1Mbps upstream. Watch TV, listen to live music and broadcast on the Internet, and experience clear Internet phone calls. Built-in high-performance draft 802.11n wireless LAN means that you don't have to compromise high-speed ADSL transmission with wireless speed constraints. Now, smooth streaming multimedia and VoIP voice are possible anywhere at home and in the office, without even the need to hook up any network wires.



RJ-11 ADSL Port To Phone Line

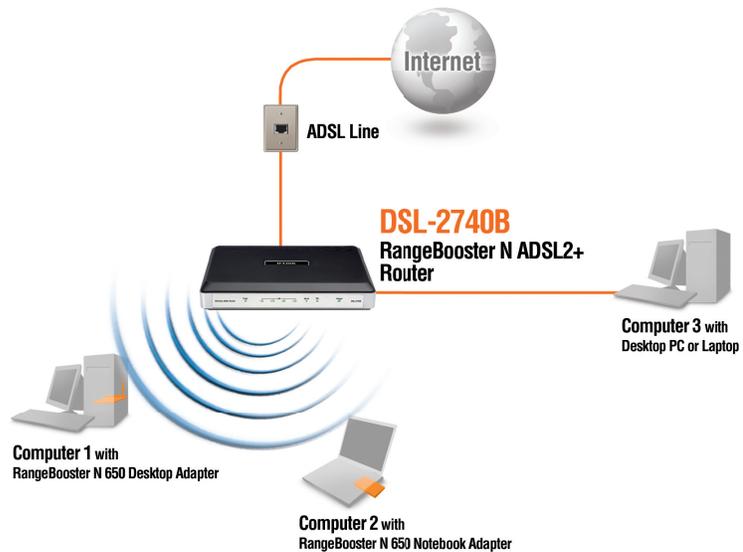
4 RJ-45 10/100 BASE-TX Ports  
To Computers, Print Servers, Network Storages

Wireless ON/OFF  
Button

Power Switch

Power Socket  
To Power Adapter

Reset Button



### TECHNICAL SPECIFICATIONS

#### DEVICE INTERFACES

- + RJ-11 ADSL port
- + 4 RJ-45 10/100BASE-TX Ethernet ports with auto MDI/MDIX
- + Built-in draft 802.11n wireless LAN
- + Factory reset button
- + WPS button
- + wireless on/off switch

#### WIRELESS LAN

- + 802.11b/g standards
- + 802.11n draft
- + Wireless speed: up to 54Mbps (802.11G), 300Mbps (802.11n)<sup>1</sup>
- + Frequency range: 2.4 GHz to 2.484 GHz
- + Antennas: Dual 2x2 built-in MIMO antennas
- + 64/128 bits WEP data encryption
- + WPA/WPA2 (Wi-Fi Protected Access) security
- + Multiple SSID
- + 802.11e Wireless QoS (WMM/WME)
- + MAC address-based access control

#### ADSL STANDARDS

- + ADSL standards: Multi-mode, ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt) Annex A, ITU G.992.2 (G.lite) Annex A, ITU G.994.1 (G.hs)
- + ADSL2 standards: ITU G.992.3 (G.dmt.bis) Annex A/L/M, ITU G.992.4 (G.lite.bis) Annex A
- + ADSL2+ standards: ITU G.992.5 Annex A/L/M

#### ADSL DATA RATES

- + G.dmt: 8Mbps downstream, 832Kbps upstream
- + G.lite: 1.5Mbps downstream, 512Kbps upstream
- + ADSL2: 12Mbps downstream, 1Mbps upstream
- + ADSL2+: 24Mbps downstream, 1Mbps upstream

#### ATM & PPP PROTOCOLS

- + ATM Forum UNI3.1/4.0 PVC (up to 16PVCs)
- + ATM Adaptation Layer Type 5 (AAL5)
- + ATM QoS (Traffic Shaping)
- + Bridged or routed Ethernet encapsulation
- + VC and LLC based multiplexing
- + PPP over Ethernet (PPPoE)
- + PPP over ATM (RFC 2364)
- + ITU-T I.610 OAM F4/F5

#### ROUTER FEATURES

- + NAT (maximum 4096 NAT sessions)
- + DHCP server/client/relay
- + Static Routing, RIP v.1, v.2
- + Universal Plug and Play (UPnP) Compliant
- + Dynamic Domain Name System (DDNS)
- + Virtual Server
- + SNTP, DNS proxy and IGMP proxy

#### FIREWALL

- + Built-in NAT firewall
- + Stateful Packet Inspection (SPI)
- + DoS attacks prevention
- + Packet filtering (IP/ICMP/TCP/UDP)
- + Intrusion Detection System (IDS)
- + DMZ

#### VIRTUAL PRIVATE NETWORK (VPN)

- + Multiple PPTP/IPSec/L2TP pass-through

#### DEVICE CONFIGURATION/MANAGEMENT

- + Installation Wizard
- + Web-based GUI for configuration, firmware upgrade
- + Code lock to prevent improper firmware upgrade
- + Telnet with SSH support
- + Syslog monitoring
- + SNMP v1, v2c support with built-in MIB-II (RFC 1213)
- + TR-069 Client
- + WPS

#### QUALITY OF SERVICE

- + LAN to WAN traffic prioritization/Classification
- + 802.1p (0 to 7) traffic prioritization
- + Traffic Shaping

#### SECURITY

- + IGMP Snooping with 32 Multicast groups
- + PVC/VLAN port mapping (bridge mode)
- + Parental Control (URL blocking, scheduling)

#### POWER INPUT

- + Through 12VAC 1.25A external power adapter

#### DIAGNOSTIC LEDS

- + Power
- + LAN (1 to 4)
- + WLAN
- + DSL
- + Internet
- + WPS

#### DIMENSIONS

- 220 x 150 x 32 mm (8.66 x 5.90 x 1.26 inches)

#### OPERATING TEMPERATURE

- 0° to 40° C (32° to 104° F)

#### STORAGE TEMPERATURE

- 20° to 70° C (-4° to 158° F)

#### OPERATING HUMIDITY

- 5% to 95% non-condensing

#### Certifications

- + CE (EN55022/EN55024/EN300 328/EN301 489)

<sup>1</sup> Maximum wireless signal rate derived from IEEE standard 802.11g and draft 802.11n specifications. 802.11n speeds obtainable when operating among RangeBooster N products. 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. Environmental factors will adversely affect wireless signal range. RangeBooster N products are based on draft IEEE 802.11n specifications and are not guaranteed to be forward compatible with future versions of the IEEE 802.11n specifications. Compatibility with draft 802.11n devices from other manufacturers is not guaranteed. All references to speed are for comparison purposes only.

