

WBR-5050

WBR-5050 Wireless 802.11n Dual Band Broadband Gigabit Router

UP TO 300MBPS HIGH PERFORMANCE WIRELESS GIGABIT ROUTER DESIGNED TO REDUCE INTERFERENCE AND ENHANCE DATA PERFORMANCE FOR MULTIMEDIA APPLICATIONS



Overview

The LG-Ericsson WBR-5050 Wireless 802.11n Dual Band Broadband Gigabit Router is the ideal solution for providing high speed wireless to your home or home office. The WBR-5050 connects PCs, wireless printers, gaming consoles, and other Wi-Fi devices at transfer speeds up to 300Mbps per frequency band. The WBR-5050 supports simultaneous dual band operation to provide the maximum throughput for file transfers, HD video streaming, and online gaming. With the 2.4GHz frequency band becoming more and more crowded the ability to operate in the 5GHz band helps avoid interference and optimize wireless performance for bandwidth intensive multimedia applications. MIMO (Multiple-In, Multiple-Out) antenna technology provides enhanced wireless coverage so you can enjoy wireless connectivity anywhere in your home.

With WPA/WPA2 encryption and SPI firewall, the WBR-5050 Router helps keep the network protected. The Router also supports Wi-Fi Protected Setup (WPS) for simple and secure wireless connections. In addition, the WBR-5050 supports up to four SSIDs per frequency band to provide separate access and security restrictions for home and guest users. Combining multiple connections with high speed and flexible security, the LG-Ericsson WBR-5050 provides the maximum reliability and security to your home and home office.

Highlights

High Speed Wireless N Connectivity

Connects PCs, wireless printers, gaming consoles, and other Wi-Fi devices at transfer speeds of up to 300Mbps per frequency band

Simultaneous 2.4/5GHz Dual Band Support

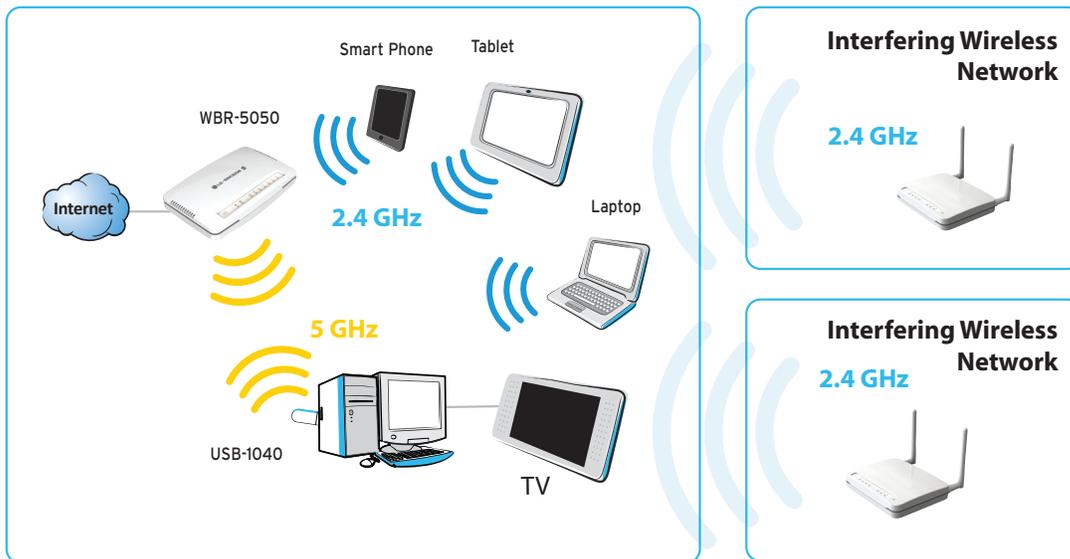
Avoid interference and maximize throughput for file transfers, HD video streaming, and online gaming

Multiple SSID for Guest Network Access

Supports up to 4 multiple SSIDs per band to separate home, work, and guest access

Advanced Security

Protects the wireless network with WPA/WPA2 encryption and SPI firewall



Technical Specifications

Standards	IEEE 802.11n, 802.11a, 802.11b, 802.11g IEEE 802.3 (10Base-T), IEEE 802.3u (100Base-TX), IEEE 802.3ab (1000Base-T)
Physical Interface	One 10/100/1000 Mbps WAN port Four 10/100/1000 Mbps LAN ports Reset button WPS button
LEDs	Power WAN (Internet) Wireless LAN (2.4GHz) Wireless LAN (5GHz) LAN (Ports 1-4) WPS
Number of Antennas	4 Internal Antennas
Operational Modes	AP/Router WDS Repeater
Frequency Band	2.400-2.484GHz 5.180-5.825GHz
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK
Channel Bandwidth	Auto, 20MHz, 40MHz
Transmit Power	2.4GHz @ 11b: 16 dBm 2.4GHz @ 11g: 16 dBm 2.4GHz @ 11n: 13 +/- 3 dBm 5GHz @ 11n: 13 +/- 3 dBm
Receive Sensitivity	-85 dBm @ 11b 2.4GHz (1/2/5.5/11 Mbps) -86 dBm @ 11g 2.4GHz (6/9/12/18/24 Mbps) -70 dBm @ 11g 2.4GHz (54 Mbps) -70 dBm @ 11a 5GHz (6/9/12/18/24 Mbps) -68 dBm @ 11a 5GHz (54 Mbps) -86 dBm @ 11n 2.4GHz (MCS 0-3) -65 dBm @ 11n 2.4GHz (MCS 6-7) -82 dBm @ 11n 5GHz (MCS 0-3) -64 dBm @ 11n 5GHz (MCS 6-7)

Security Features	WEP, WPA and WPA2 Personal, WPA and WPA2 Enterprise Wi-Fi Protected Setup (WPS) 802.1x authentication Disable SSID broadcast SPI firewall MAC address filtering IP filtering URL filtering Denial-of-Service (DoS) attack prevention VPN pass through
Wireless Features	Supports up to 4 SSIDs per frequency band QoS – Priority Queue and WMM (Wi-Fi Multi Media)
Management	Web-based management interface (HTTP) Remote management Firmware upgrade Backup/restore settings Network diagnosis Network traffic monitoring
Physical Specifications	
Dimensions	186 x 112 x 30 mm (7.32x 4.41x 1.18 in)
Weight	0.40 Kg (0.88 lb)
Environmental	Operating Temperature: 32 to 122°F (0 to 50°C) Storage Temperature: -4 to 140°F (-20 to 60°C) Operating Humidity: 10 to 90% Non-condensing Storage Humidity: 10 to 95% Non-condensing
Regulatory Compliance	FCC, CE, RoHS
Minimum System Requirements	Broadband Internet service (Cable/DSL) and modem with Ethernet connection Computer with 802.11b/g/n 2.4GHz OR 802.11a/n 5GHz Wireless Network Function Windows, MAC OS, or Linux Operating Systems Internet Explorer, Firefox or Safari Web-Browser Software