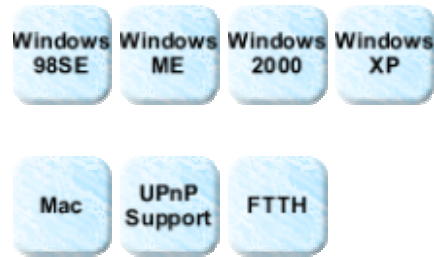


BLW-04GM 4Ports Wireless Broadband Router



▶ Feature

The BLW-04GM router incorporates the IEEE802.11g compliant 54Mbps wireless Access Point feature. It is shipped with the mounting kit, which enables installing the product onto the wall surface.

■ The IEEE802.11g Wireless LAN Access Point Functionality

The wireless LAN Access Point function of BLW-04GM is fully compliant with IEEE802.11g. Thus, it enables a high-speed data communication at a maximum rate of 54Mbps in the same 2.4GHz frequency range used for IEEE802.11b. You can easily upgrade to the speedy communication networking, and still maintain the existing 11Mbps wireless LAN environment.

■ Wireless LAN Security Features

In addition to 64/128bit WEP (Wired Equivalent Privacy), the product supports the wireless LAN access control function, which blocks any unauthorized access to the LAN and WAN ports. The BLW-04GM supports the "hide SS-ID" feature, which makes the router invisible for external wireless devices. Also, the latest wireless security standard - WPA (Wi-Fi Protected Access) is supported.

■ High-speed ADSL allows for Wired Networking Throughput

For the wired networking, the maximum throughput value of 42Mbps (FTP actual measurement) has been achieved. You can benefit from a high-speed broadband connection also in still faster and faster ADSL environment.

* The throughput values do not represent guaranteed performance in actual product usage.

■ Supports UPnP (Universal Plug and Play)

The product's UPnP (Universal Plug and Play) feature eases configuration tasks that are required to use network applications. The product supports various functions of Windows Messenger (a UPnP-ready application) .

■ IP unnumbered connection

The product supports services that offer multiple global IP addresses. The product enables flexible network layout as a global IP can be directly assigned to a LAN side client/terminal.

■ VPN Packet Pass-Through

The product can pass through packets that are encoded between LAN and WAN via a VPN gateway device. The

router's support for IPsec/PPTP/L2TP VNP protocols enables the construction of a router-based VPN network.

■ **Supports Dynamic DNS service**

The BLW-04GM supports Dynamic DNS Network Services. Setting the user name, password and the domain name registered at dyndns.org to this product enables an automatic update of the registered information.

■ **Firewall with SPI (Stateful Packet Inspection)**

SPI verifies the consistency of packets for each communication session. Since it blocks all ports upon the completion of a session, the technology implements a truly "hole-less" firewall. Furthermore, SPI blocks communication as soon as it detects an unauthorized access from the Internet (WAN side). Detected attacks can be saved in a log, and sent out in the form of E-mail.

■ **Packet Filtering with various parameters**

The access control parameters can be configured, and the LAN users' connection to the Internet (WAN side) can be fully controlled.

■ **Supports network games, enables publicly accessible servers**

The product's Virtual Computer (DMZ host) function for static IP masquerading and Local Server (port forwarding) functions let you establish a publicly accessible server and play network games that do not support NAT .

■ **Built-in 4-port Switch automatically detects cable type**

The router's internal 4-port Switch with 10/100Base auto-detection function serves as an interface to network devices on the LAN side. The support of Auto-MDI/MDI-X enables automatic straight/crossover cable type detection, so you can attach PC's or cascade hubs to the switch without worrying about the type of the cable you are using.

■ **DHCP Feature**

The product's DHCP Server/Client feature automatically 1) obtains an IP address from a DHCP server on the WAN side and 2) allocates an IP address to each client connected to its LAN ports.

■ **PPPoE, Flet's ADSL Connectivity**

In addition to the typical Ethernet (Static/DHCP) connection, the BLW-04GM supports Point to Point Protocol over Ethernet (PPPoE). As the router provides the PPPoE client function by itself, no additional PPPoE program for each client PC is required.

■ **Web-based configuration**

The router can be easily configured via a standard Web browser. Moreover, the password-protected configuration screen prevents unauthorized access from outsiders.

■ **Firmware upgrade via the Web-based configuration screen**

The system functions of the product are stored in its on-board flash memory. You can download the latest version of its firmware from our web site and then upgrade the existing firmware using a standard Web browser.

■ **The antenna can be exchanged**

This detachable Antenna is allow to replace to some variety Antenna in order to realize more further sensitive or long distance communication. Adjust the antenna for better reception to improve your communication possibilities.



Note: Some ISP's place limitations on the use of routers like this product or access to the Internet from multiple users. Please be sure to verify the service agreement provided by your ISP.

*bRoadLanner series products are not dial-up routers

► Specification

Model Number		BLW-04GM
Wireless		
Standard Conformance		IEEE802.11b/IEEE802.11g
		ARIB(Japan) /FCC(North America) /ETSI (Europe)
Data Transfer Speed		IEEE802.11b:11/5.5/2/1Mbps
		IEEE802.11g:54/48/36/24/18/12/9/6Mbps
Data Transfer Methods		IEEE802.11g:OFDM (Orthogonal Frequency Division Multiplexing)
		IEEE802.11b:DS-SS((Direct Sequence Spread Spectrum)
Frequency Range		2400-2497MHz(Japan Band)2400-2483.5(North America, Europe Band)2455-2475MHz(Spand Band) 2446.5-2483.5MHz(France Band)
Channels		13 channels
Security Features	WEP	64/128bit
	WPA	Scheduled to support the feature soon
	Wireless LAN Access Control	wireless client-to-LAN, wireless client-to-WAN
	ESS-ID-Stealth	Support
Communication Range		Indoor:100m (line-of-sight distance) *May vary with actual environmental conditions.
Antenna Type		Dipole Antenna
Wired		
Standard Conformance		LAN:IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX WAN:IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX

Data Transfer Rate		10/100Mbps (Auto-negotiation)
Number of ports	WAN Port	10/100BASE-TX Auto-sensing x 1(RJ-45 connector)
	LAN Port	10/100BASE-TX Auto-sensing x 4(RJ-45 connector), AutoMDI/MDI
Supported WAN Connections		ADSL, FTTH, CATV, leased lines, etc.
Supported Protocol		IP
Address Translation		NAT/IP Masquerading(NAPT:up to 2000 concurrent sessions)
DHCP Server		Supports up to 253 addresses (LAN side only), (can be disabled, static IP configuration supported)
DHCP Client		Acquires an IP address from ISP (can be disabled)
PPPoE		Supports 1 session Monitoring/Automatic Connection, Keep Alive, Monitoring/Automatic Disconnection
PPPoE unnumbered		Support
Routing Protocols		Static, Dynamic(RIPv1)
Local Server		Forwards packet to specific PC's on the LAN based on TCP/UDP port
Virtual Computer (DMZ)		Forwards packets from WAN to specific host on the LAN
UPnP		Support(Internet Gateway Device 1.0 compliant)
Dynamic DNS		Supported services: DynDNS.org / DtDNS.com
Access Control		Parameters: Direction OUT(LAN-to-WAN), protocol, port number specified schedule(day and time), client group control
URL Filtering		Support
Firewall		SPI(Stateful Packet Inspection),DoSAttack Protection
VPN Pass Through		PPTP, L2TP, IPsec
Configuration Interface		Web browser (Internet Explorer5.5 or later, Netscape Navigator6.1 or later)
Log Management		addresses, or transmitted to a preconfigured syslog server
Firmware Upgrade		Upgrade Flash ROM (upgraded via a Web browser))
Common Features		
LED		Power, Status, LAN Link/Act, LAN 100M, WAN, Wireless

Maximum Power Consumption	5.5W Max
Power Input	DC 12V, 800mA
Dimensions(W x H x D)	158(W) x 26.5(H) x 101(D)mm (Antenna excluded)
Weight	410g (Antenna included))
Supported OSes	<p>*Windows 98SE/Me/2000/XP equipped with an Ethernet (RJ-45) port</p> <p>*Computer equipped with an Ethernet (RJ-45) port that runs a TCP/IP compliant OS (Mac OS , UNIX OSes, etc.)</p>
Network Cables	<p>The product supports the following Network Cables</p> <p>*Twisted-pair cable (Required quantity: the number of PCs attached to the product)</p>
ADSL/Cable Modem	<p>The product supports the following ADSL/Cable Modems</p> <p>*External ADSL modem with an RJ-45(LAN) port</p> <p>*Exenal cable modem with an RJ-45(LAN) port</p>
EMI	CE, FCC Class B, VCCI Class B
Warranty Period	1 Year
Package Contents	BLW-04GM, AC adapter (supplied with a short cord), User's manual CD-ROM, Set-up guide, rubber footpads, mounting screws, RJ-45 UTP straight LAN cable(1m), Wireless LAN Adapter GW-NS54G x1 (supplied only with the BLW-04GM-PK)

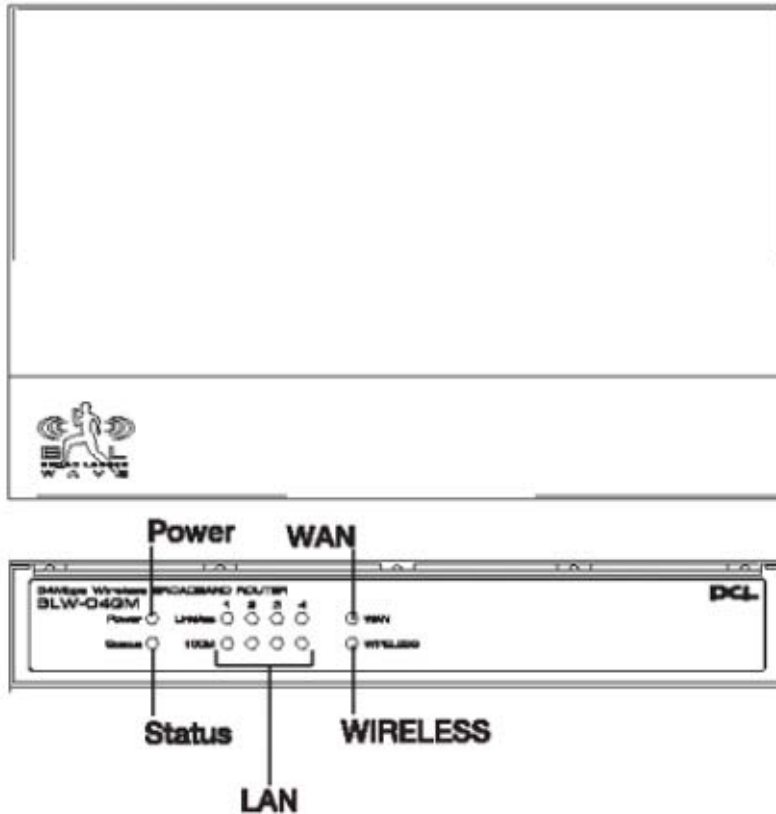
Since no cabling is required to set up a wireless LAN, anyone can establish and start using a wireless LAN with ease. However, data communication between two nodes may fail or slow down significantly if they are separated by any of the following materials (see below). To ensure stable data communication, it is strongly recommended to remove these objects or environmental factors from the installation site.

Environmental Factor	Negative Impact on Comm. Range (*1 The more asterisks, the stronger negative impact)	Example
Air	*	-
Wooden	**	Wooden Partition
Plaster	**	Partition walls
Synthetic	**	Partitioning parts in plywood boards

Materials		
Asbestos	**	Ceilings
Glass	**	Window panes, glass wall plates
Water	***	Damp wooden materials
Bricks	***	Brick walls
Marble	****	Marble walls
Cement/ Concrete	****	Floors, walls
Bulletproof glass	****	Walls/ window panes used in lookouts
Iron/ Steel	*****	Iron partition materials, reinforced concrete walls

▶ **Product View**

■ **Front View**



▶ Connection Sample

