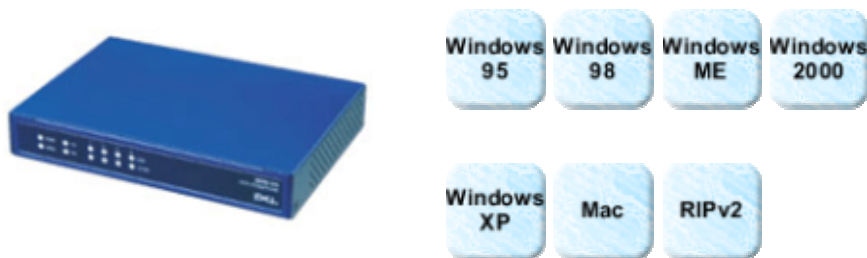


## **BRM-04 4Port broadband Bridge / Router ( built in modem function )**



### **Feature**

**BRM-04 is a three-in-one unit, combining the functions of the ADSL modem, an IP-sharing router, and a four-port Switch in one compact housing. No more separated units cluttering with cables.**

#### **Internal Modem Simplifies ADSL Sharing**

BRM-04 ADSL Router simplifies the way to shared ADSL access. By combining a modem, an IP-sharing router, and a 4-port Switch it gives you all the functions you need in connecting to the Internet via ADSL. Requiring no individual ADSL modem, it enables everyone at work or at home to instantly benefit from high-speed Web access, file sharing, video streaming, head-to-head Internet game-playing, and MP3 downloading. This highly capable 4-port ADSL router provides excellent filtering and controls that allow administrators and parents to limit URL access and monitor Internet activities, while firewall protection secures the computers and network against hackers. Setup couldn't be easier with an animated Installation Assistant, a Web browser-based settings, and an on-screen help guide you through each step. The BRM-04 is compactly designed to complement your home or office environment and is compatible with all ADSL Internet service providers.

#### **Comprehensive**

BRM-04's built-in ADSL modem means you can enjoy ultra-fast Web-surfing with super-easy setup. Instantly distribute MP3s, digital movies and photos, and share your broadband Internet connection, and files with multiple computers without the need of an external modem. Port Forwarding controls make it simple to communicate via multimedia applications (such as NetMeeting), host Web services, and play Internet games.

#### **Powerful**

Four Ultra-fast 10/100 Mbps LAN ports automatically detect computer speed to optimize network performance (up to 200 Mbps with full-duplex) at a distance of 100 m (328 ft). With large memory and a fast CPU, the BRM-04 is well-equipped to distribute large-file multimedia presentations in very short period of time.

#### **Uncomplicated**

Even without networking experience, this ADSL router is easy to set up and use for anyone with its simple Install Assistant guides you through each step. Lighted status icons make it easy to observe network activity.

#### **Features**

##### **ADSL Compliance**

- Compliant with ADSL standards
  - Full-rate ANSI T1.413 Issue 2 and ITU G.dmt (G.992.1) standards
  - Splitterless ITU G.lite (G.992.2) specification
  - ADSL over POTS (Annex A) and ADSL over ISDN (Annex B)
- DMT modulation and demodulation
- Full-rate adaptive modem
  - Maximum downstream rate of 8 Mbps
  - Maximum upstream rate of 1 Mbp
- Tone detection for low power mode
- Supports splitterless ADSL implementation
- Supports Dying Gasp

### **ATM Protocols**

- WAN mode support: PPP over ATM (RFC 2364) and PPP over Ethernet (RFC 2516)
- LAN mode support: bridged/routed Ethernet over ATM (RFC 1483) and Classical IP over ATM (RFC 1577)
- ATM Forum UNI 3.1 PVC
- Up to 8 VCs (Virtual Circuits)
- ATM SAR (Segmentation and Reassembly)
- ATM AAL5 (Adaption Layer type 5)
- OAM F4/F5

### **Bridge Mode**

- Ethernet to ADSL self-learning Transparent Bridging (IEEE 802.1D)
- Supports up to 128 MAC learning addresses

### **Router Mode**

- IP routing-RIPv2
- Static routing
- DHCP (Dynamic Host Configuration Protocol) Server and Client
- NAT (Network Address Translation)
- NAT (Network Address Translation)
- ICMP (Internet Control Message Protocol)

### **Security**

- User authentication for PPP
- PAP (Password Authentication Protocol)

- CHAP (Challenge Authentication Protocol)
- Password protected system management

### Ethernet Interface

- Compliant with IEEE 802.3 standard
- 10/100 Mbps auto selection
- 4\* LAN Port

### Firmware upgrade via HTTP

- Customizable Web pages
- WAN and LAN side connection statistics
- Configuration of static routes in the Routing table
- Configuration of NAT/NAPT
- Password protected access
- Selection of Bridge or Router Mode
- PPP user ID and password
- Configuration of VCs (Virtual Circuits)

► Specification

Model Number	BRM-04
Standards Conformance	ITU G.994.1 (G.Hs Auto-handshake) compliant ITU G.992.1 (G.dmt Full-rate ADSL) compliant ITU G.992.2 (G.lite "Splitterless ADSL") compliant ITU-T Rec. I.361 compliant ITU-T Rec. I.610 compliant RFC 1483 Multi-protocol over ATM "Bridged Ethernet" compliant RFC 2364 PPP over ATM compliant RFC 2516 PPP over Ethernet compliant RFC 1334 PPP Authentication Protocol compliant RFC 1994 Challenge Handshake Authentication Protocol compliant RFC 791 Internet Protocol compliant RFC 826 Address Resolution Protocol compliant RFC 950 Internet Control Message Protocol compliant RFC 1631 Network Address Translation compliant

		<p>Supports RFC 2131 and RFC 2132 DHCP functions including: automatic assignment of IP address, use of subnet mask and default gateway and provision of DNS server address for all hosts</p> <p>Compatible with all T1.413 issue 2 (full rate DMT over analog POTS), and CO DSLAM equipment</p> <p>IEEE 802.3 compliant</p> <p>IEEE 802.3u compliant</p> <p>IEEE 802.1d compliant</p>
<b>Network Port Configuration</b>	<b>WAN port</b>	Port x 1 (RJ-11 connector)
	<b>LAN ports</b>	10/100BASE-TX Auto-Negotiation Port x 4 (RJ-45 connectors)
<b>Supported WAN Lines</b>		ADSL leased lines,
<b>Supported Network Cables</b>		10BASE-T Category 3 (or greater) twisted-pair cable (100m) 100BASE-TX Category 5 (or greater) twisted-pair cable (100m)
<b>Supported Protocol</b>		IP
<b>Address Translation</b>		NAT
<b>DHCP Server</b>		Supports up to 253 addresses (LAN ports only, can be disabled)
<b>DHCP Client</b>		Acquires an IP address from ISP (WAN port only)
<b>Routing Protocols</b>		Static Routing
<b>Configuration Interface</b>		Web browser
<b>System Upgrade</b>		Upgradable Flash ROM
<b>LED Indicators</b>		Power, ADSL , RX, TX, LINK, 10/100,
<b>Power Input</b>		15VDC, 0.8A
<b>Power Consumption</b>		10W max
<b>Dimensions</b>		161(W) x 24(H) x 114(D)mm
<b>Weight (main unit only)</b>		570g
<b>Operating Temperature</b>		5 to 40 degrees Celsius
<b>Operating Humidity</b>		20 to 90% (non-condensing)
<b>Supported OSes</b>		<p>Windows 95/98/Me/2000/XP PC 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>
<b>Required Network Cables</b>		<p>The product supports the following Network Cables</p> <p>Twisted-pair cable (Required quantity: the number of PCs attached to the product)</p>

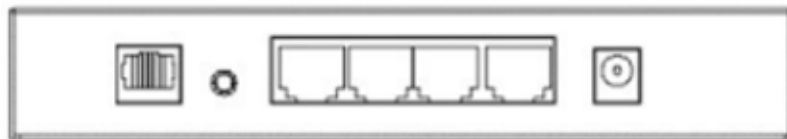
<b>ADSL/Cable Modem</b>	External ADSL modem with an RJ-45(LAN) port Exenal cable modem with an RJ-45(LAN) port
<b>EMI</b>	CE Class B FCC Class B
<b>Package Contents</b>	BRM-04, AC adapter, User's manual, Splitter, RJ-11 Cable,RJ-45 UTP cable

▶ **Product View**

■ **BRM-04**



**Front View**



**Rear View**