

## BLW-54CW IEEE 802.11g Wireless Broadband Router

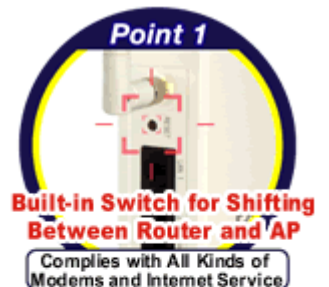


### ► Feature

BLW-54CW is 11b/g Router and Access Point compatible product based on Atheros® XR Technology which improves the signal strength to widen the usable wireless network area. It can be used as Router or also as an Access Point by switching its mode depending on your requirement.

BLW-54CW includes the following features:

- A single 10/100BaseT WAN port to connect with DSL or cable modems
- 4 x 10/100Mbps switch LAN ports
- 1 IEEE 802.11g Wireless AP
- Built-in NAT function: allows multiple PCs and devices to share one public IP address
- Full SPI Firewall
- Browser-based configuration and management



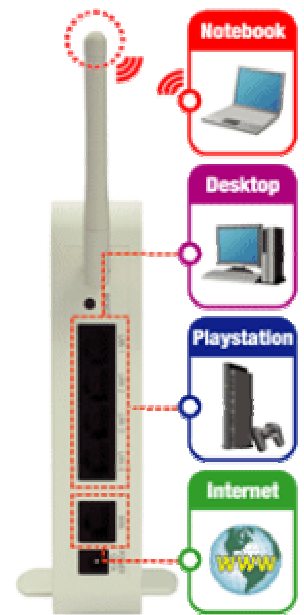
### Wireless Functionality

- IEEE 802.11g standard
- WPA Home approved to support WPA-PSK functions
- WPA and WPA2 support
- 802.11i support
- WMM 802.11e support as it becomes supported by the chip vendor
- Wireless MAC filter of 40 entries

### WAN Side

- Single 10/100 Auto-MDIX Ethernet for Cable modem or DSL. Auto Negotiating, full & half duplex.
- Flow Control, pause frames in full duplex, backpressure in half duplex.

- PPPoE
- Capable of establishing PPTP tunnels over static IP link to establish Internet access links with the ISP
- Australia Bigpond Heart Beat signal support
- DHCP client with automatic address renewal
- DynDNS support
- Capable of having a static IP address on WAN port
- Capable of specifying a Host name on the WAN side
- Capable of Cloning a MAC address for the WAN port
- DMZ support for single host PC
- IP QoS support for 10 entries by TCP/UDP and/or 5 entries by MAC address



### LAN Side

- 4 x 10/100 Auto-MDIX switched auto-negotiate ethernet ports
- 1 x 802.11g wireless AP
- Flow Control, pause frames in full duplex, backpressure in half duplex.
- Configurable Static IP address
- DNS relay
- RIP 1 and static routing

### Router & Security

- Full SPI firewall
- Denial of Service protection
- Stateful Packet Inspection can be selected by an option in the GUI
- Network Address Translation NAT (can be enabled or disabled)
- Port Address Translation PAT
- Multiple VPN pass through for PPTP and IPSec
- One to One NAT support of Virtual DMZ
- URL keyword blocking (with separate allow and block lists)
- Ability to control filtered/unfiltered access to Internet based on PC IP address and Time (scheduling).
- Static Route capable of supporting Host Route , Network Route
- Remote Syslog functionality
- Scheduling
- Function to allow for management for a list of trusted stations only
- MSS Clamping
- Ping , and Traceroute utility


### Configuration

- Browser based GUI with Office Connect look & feel
- Discovery Application to find the unit without knowing the IP address
- Access to Web interface from the WAN if enabled
- Password protected admin screens
- Event logging
- Setup wizard for initial configuration
- Structure the software so that 5 different languages can be uploaded to the GUI.

► Specification

<b>Model Number</b>	<b>BLW-54CW</b>
<b>CPU</b>	AR2315 at 180MHz
<b>SDRAM</b>	16 MB
<b>Flash ROM</b>	4 MB
<b>Switch controller</b>	IC plus IP175C
<b>Power Input</b>	12VDC, 1 A
<b>I/O Port</b>	DC Jack, 4 port LAN, 1 port WAN, Reset/AP Switch Button, LED indicators
<b>Antenna Type, Gain and Connector Type</b>	SMA type 2.4G/ 2dBi Dipole Antenna
<b>Transmitted Power</b>	802.11b/g : 16 dBm +/- 1.5dB (non-include Antenna gain)
<b>Frequency Band</b>	802.11b/g : ISM band 2.400 ~ 2.4835GHz (subject to local regulations)
<b>Modulation</b>	802.11g : 64 QAM, 16 QAM, QPSK, BPSK 802.11b : CCK, DQPSK, DBPSK
<b>Data Rate</b>	802.11b : 11, 5.5, 2, 1 Mbps per channel, auto fallback for extended range 802.11g : 54, 48, 36, 24, 18, 12, 9, 6 Mbps per channel, auto fallback for extended range
<b>Operation Requirement</b>	Operating Temp: 0°C to 40°C (32°F to 104°F) Storage Temp: -20°C to 70°C (-4°F to 158°F) Operating Humidity: 10% to 85% Non-Condensing Storage Humidity: 5% to 90% Non-Condensing
<b>Dimensions</b>	140 x 160 x 18 mm

Specification

 **4 Easy Steps to Setup !**



**1**

**Connect the RJ-45 cable and then power it on**  
 Connect RJ-45 cable to Modem or PC, then turn on power



**2**

**Displays the settings**  
 Open setting screen of BLW-54CW via IE



**3**

**Shows the setting on the Web Browser**  
 Fill in the parameters for PPPoE or other broadband connections, and restart BLW-54CW



**4**

**Confirm the connection**  
 Browse a website via the browser ; if the browser shows the website correctly, you've successfully set up the connect



**XR(eXtended Range) function increases wireless networking distance.**

Even the dead spot where cannot get signals...



It can successfully build a connection !

