

Multi-Function Wireless Router

Wireless Access Point
Broadband Internet Access

4-Port Switching Hub

Model: ARM804

FCC ID: MQ4ARM804

Quick Install Guide



This guide covers only the most common situations. Please refer to the full User Manual on the CD-ROM if your LAN has any of the following:

- Router
- Existing DHCP Server
- PCs using Fixed (Static) IP Addresses

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Shielded interface cables must be used in order to comply with emission limits.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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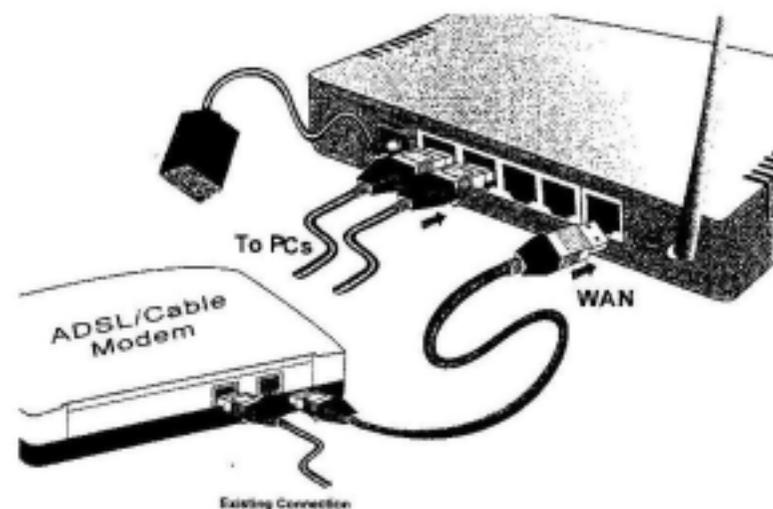
Requirements

- DSL or Cable modem for broadband Internet access.
- Standard Network cables.
- TCP/IP network protocol installed on each PC.
- Wireless Access Point requires Wireless devices compliant with the IEEE802.11b specifications.

Setup

1 Physical Installation

1. Ensure the Wireless Router and the DSL/Cable modem are powered OFF before commencing. Leave your DSL/Cable modem connected to its wall socket (phone line or cable input).



2. Use standard LAN cables to connect PCs to the Switching Hub ports on the Wireless Router. Both 10BaseT and 100BaseT connections can be used simultaneously.
3. Connect your DSL/Cable Modem to the WAN port on the Wireless Router. Use the cable supplied with your DSL/Cable modem, or a standard network cable.

4. Connect the supplied Power Adapter and power on.
5. Check the LEDs
 - The *Power, Internet, and WLAN* LEDs should be ON.
 - For each active LAN (PC) connection, the *LAN* LED should be ON.

2 Configuration

The Wireless Router can "Plug and Play" if your DSL/Cable modem connection uses only a dynamic IP address.

Testing Plug and Play

1. Power up the DSL/Cable modem.
 2. Power up the Wireless Router.
 3. Power up the PCs.
 4. On the PC, start your Web Browser, and try to connect to a well-known site, such as www.microsoft.com
- If this doesn't work, follow the procedure in the next section **Manual Configuration**.
 - If this works on some PCs, but not all, see **PC Setup** for details on configuring the PCs which do not work.

Manual Configuration

1. Start your PC. If it is already started, restart it.
It will then obtain an IP Address from the Wireless Router's DHCP Server.
2. Start your WEB browser. In the *Address* box, enter the following:
HTTP://192.168.1.254
3. Press the Setup button to configure the router.
4. Step through the *Setup Wizard* until finished. Refer to the data from your ISP, and the table below, to ensure your choices are correct.

Connection Type	Data required.
Dynamic IP Address	None
Specified (Fixed) IP Address	IP Address allocated to you, and related information.
PPPoE	Login name and password.
PPTP, Big Pond (not used in USA)	Login name and password, Server IP Address

5. On the final screen of the Setup Wizard, run the test and check that an Internet connection can be established.
 - If the connection fails, check both your data and the Cable/DSL modem.
 - If your ISP has recorded your MAC (physical) address, change the MAC address (on the Setup Wizard's *Cable Modem* screen) to match the value expected by your ISP.

PC Setup - Windows

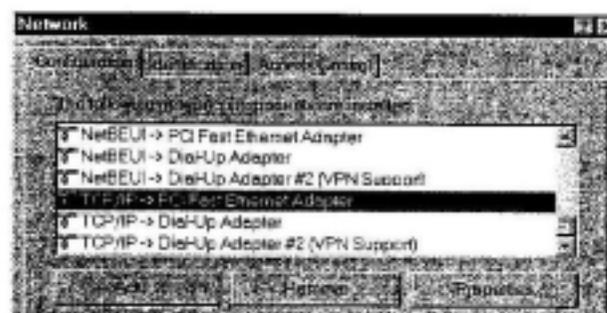
1 TCP/IP Setup

- If using the default Wireless Router settings, and the default Windows TCP/IP settings, no changes need to be made.
- If using a specified (fixed) IP address on your PC, refer to the user manual for details of the required changes:
 - The *Gateway* must be set to the IP address of the Wireless Router
 - The *DNS* should be set to the address provided by your ISP.

Windows 95

On Windows 95, TCP/IP was not installed by default. To check if TCP/IP is installed:

1. Use *Start - Settings - Control Panel - Network* to view a screen like the example below.



2. If TCP/IP is not listed, click *Add - Protocol - Microsoft - TCP/IP* to install it.
3. The default TCP/IP properties are correct and do not need to be changed. To view the properties, select the TCP/IP entry for your network card, as shown above, and click the *Properties* button. You will see a screen like the example below.



4. The option "Obtain an IP address automatically" should be selected, as shown above.

2 Internet Access

For Windows 9x/ME/2000

1. Select *Start Menu - Settings - Control Panel - Internet Options*.
2. Select the *Connection* tab, and click the *Setup* button.
3. Select "I want to set up my Internet connection manually, or I want to connect through a local area network (LAN)" and click *Next*.
4. Select "I connect through a local area network (LAN)" and click *Next*.
5. Ensure all of the boxes on the following Local area network Internet Configuration screen are **unchecked**.
6. Check the "No" option when prompted "Do you want to set up an Internet mail account now?".
7. Click *Finish* to close the Internet Connection Wizard. Setup is now completed.

For Windows XP

1. Select *Start Menu - Control Panel - Network and Internet Connections*.
2. Select *Set up or change your Internet Connection*.
3. Select the *Connection* tab, and click the *Setup* button.
4. Cancel the pop-up "Location Information" screen.
5. Click *Next* on the "New Connection Wizard" screen.
6. Select "Connect to the Internet" and click *Next*.
7. Select "Set up my connection manually" and click *Next*.
8. Check "Connect using a broadband connection that is always on" and click *Next*.
9. Click *Finish* to close the New Connection Wizard. Setup is now completed.

Macintosh Setup

1 Internet Access

1. Open the TCP/IP Control Panel.
2. Select *Ethernet* from the *Connect via* pop-up menu.
3. Select *Using DHCP Server* from the *Configure* pop-up menu. The DHCP Client ID field can be left blank.
4. Close the TCP/IP panel, saving your settings.

Note:

If using manually assigned IP addresses instead of DHCP, the required changes are:

- Set the *Router Address* field to the Wireless Router's IP Address.
- Ensure your DNS settings are correct.

Linux Setup using X Windows

1 Internet Access

Follow this procedure to set your system to act as a DHCP client, obtaining an IP Address and related data from the Wireless Router's DHCP Server.

1. Start your X Windows client.
2. Select *Control Panel - Network*
3. Select the "Interface" entry for your Network card. Normally, this will be called "eth0".
4. Click the *Edit* button, set the "protocol" to "DHCP", and save this data.
5. To apply your changes
 - Use the "Deactivate" and "Activate" buttons
 - OR, restart your system.

Wireless Access Point Setup

In order to use the Access Point, other Wireless devices must use **the same SSID and WEP settings** as the Wireless Router.

The Wireless Router's default settings are as follows.

Setting	Wireless Router
SSID	Default value: Untitled This may be changed on the <i>Wireless</i> screen, on the Wireless Router's main menu.
WEP	Default value: Disabled Use the <i>Wireless</i> screen, on the Wireless Router's main menu, to enable and configure WEP.

Ensure the Wireless Router and the other Wireless Stations are using the same settings.

- Use the *Wireless* screen to configure the Wireless Access Point in the Wireless Router.
- Use the software supplied with the Wireless card to configure the PC Wireless stations.

Notice

To comply with FCC RF exposure compliance requirements, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. No change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.