



Xsense XRouter Aero (WSR-5000)

Quick Start Guide

INTRODUCTION

Congratulations on purchasing the Xsense XRouter Aero, the 4-port Internet Sharing Wireless Router. Welcome to the MacSense/Xsense Product Family.

The XRouter Aero is essentially three products in one. A high-speed **Switch** to share files and printers at 10/100Mbps speeds. A broadband **Router** to share your Internet access with your entire network. And an wireless **Access Point** to roam cable-free through-out the office or home.

This Quick Start Guide will walk you through the setup of the computer and Router so you'll be surfing the Net in no time.

BEFORE YOU START

Package Contents:

- ✓ One XRouter Aero unit. (Model Number WSR-5000)
- ✓ One Stacking Bracket.
- ✓ One Power Adapter.
- ✓ One User Manual and Registration Card.
- ✓ One Category-5 UTP Ethernet cable with RJ-45 connectors.

Setup Requirements:

- ✓ ISP account with DSL/Cable Modem Broadband Internet connection
- ✓ 10Mbps or 10/100Mbps Ethernet connection to support TCP/IP
- ✓ Windows 95/98/Me/NT4/2000 or that of later versions
- ✓ Mac OS 7.5.3 or later versions
- ✓ Netscape Navigator 4.7 or Microsoft Internet Explorer 5.0, or later versions of the web browsers.

Before you start, you should know if your connection is **Dynamic**, **Static**, or **PPPoE**. If you are new to the broadband connection, you need to request the following essential info from you ISP. If you already have a broadband connection in place, most of these info can be found in the TCP/IP control panel of the computer that is presently connected to the DSL/Cable modem. You should take down these values before continuing.

1. Fixed IP Address (if Static)
2. Subnet Mask (if Static)
3. Default Gateway (if Static)
4. DNS (domain name server) 1 and 2 (preferred)
5. Username and Password (if PPPoE)
6. Hostname (optional)

HARDWARE SETUP

Important Note: For initial setup of XRouter Aero, complete steps with only one computer. Then connect additional computers after verifying connectivity. Copy your ISP settings for quick reference and safe guarding for future setup and configuration needs.

1. Before connecting the XRouter Aero, verify that your existing

- Internet connection is working properly. If not, resolve this issue with your ISP.
2. Connect the modem to the XRouter WAN port using a CAT-5 standard Ethernet cable. The WAN Link LED is solid green when a proper connection is made.
3. Connect one computer to an XRouter LAN port such as port #1. Ensure the LAN Link LED lights up. See User Manual for meaning of LEDs.
4. Connect the power supply to the XRouter.

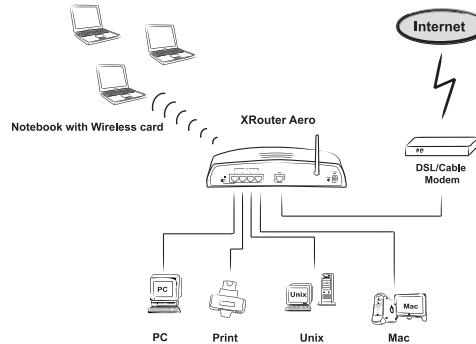


Diagram of XRouter Aero back panel showing correct connections.

TCP/IP SETUP

Windows 95/98/ME TCP/IP Configuration

1. Double-click the **Control Panel** icon in *My Computer*.
2. Double-click the **Network** icon. The network interface card (installed on your computer) appears along with the network protocol on the Configuration list.
3. Double-click **TCP/IP protocol** on the list for your NIC card. If TCP/IP does not appear, install TCP/IP according to the User Manual.
4. After double-clicking the installed TCP/IP protocol, click the *TCP/IP Properties* window. To automatically assign computer's TCP/IP, the XRouter Aero's DHCP server must perform the following functions:
 - a. Click the **IP Address** tab from the *TCP/IP Properties* window.
 - b. Select the item **Obtain IP address automatically** to allow the built-in DHCP server of the XRouter Aero to assign an IP address.
 - c. Click **OK** and **Restart** to allow the settings to take effect.

Mac OS TCP/IP Configuration

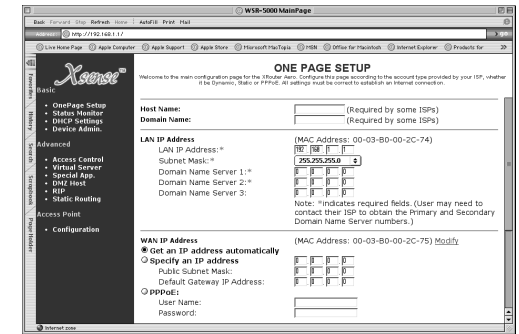
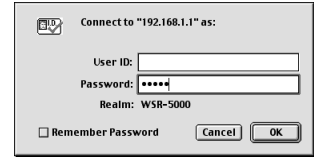
1. Open the **TCP/IP** control panel from the *Apple manual*.
2. In the **Connect via** menu select the Ethernet interface installed on your computer.
3. In the *Configure* pull-down menu, select **Using DHCP Server** to allow the built-in DHCP server of the XRouter Aero to assign an IP address.
4. Close the TCP/IP window and save the changes.

CONFIG XROUTER AERO

To access the web-based config pages of the XRouter Aero:

1. Launch your web browser.

5. In the URL field, type the XRouter Aero's default IP address (**192.168.1.1**) and hit **Enter/Return** on the keyboard. There must be no Proxy settings configured in your browser preferences.
6. The Username and Password window will then appear. Leave the Username field blank and type **"admin"** (small case) as the default password for the XRouter Aero. If it does not appear, check your cable connections and TCP/IP settings. Also, see the Troubleshooting Section.
7. Click OK. The One Page Setup web page should now appear.



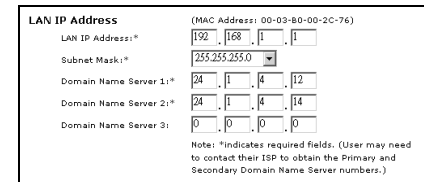
8. According to the type of broadband connection that you have (dynamic, static, or PPPoE), go to the appropriate section below.

DYNAMIC SETUP

The XRouter Aero is setup for a dynamic connection by default, meaning your ISP will provide XRouter Aero the entire TCP/IP it requires. However, it is suggested to obtain the proper DNS addresses from your ISP and enter them both in the **One Page Setup** page of the XRouter and in the TCP/IP control panel of the computer.

DNS addresses are important because before you can connect to a URL (www.yahoo.com), DNS Servers must resolve the URL address to an IP address that routers can work with on the Internet. Inputting these values into both the XRouter and each computer can help speed up the lookup process.

XRouter DNS Configuration



1. Connect to the **One Page Setup** screen.
2. Enter your DNS addresses into the DNS 1, 2 and 3 fields. Leave field 3 blank if you only have two DNS numbers.
3. Click **"Apply"** to save changes.

Macintosh DNS Configuration

1. Open your **TCP/IP** Control Panel.
2. Choose **User Mode...** under the Edit menu.
3. Select Advanced in the menu and hit OK.
4. Enter your ISP's proper DNS addresses in the Name Server field.
5. Close the window, Save and Restart.

PC DNS Configuration

1. Open your **Network** control Panel.
2. Choose the **TCP/IP** option for your NIC card and click Properties.
3. Click the **DNS** tab.
4. Choose **Enable DNS** and enter a unique Host Name.
5. Enter the DNS addresses in the DNS Server Search Order and click **Add**.
6. Click **OK**, then OK again and restart the computer when prompted.

After the Domain Name Server addresses have been inputted into both the TCP/IP control panel and the DNS fields on the One Page Setup, you can open your browser to establish a connection to the Internet.

STATIC SETUP

If your connection is Static IP, your ISP has provided you with the necessary values for *IP Address*, *Subnet Mask*, *Default Gateway/Router Address* and *Domain Name Server addresses*.

These would have been configured in the **TCP/IP** control panel for your computer to connect to the Internet directly through the DSL/Cable modem.

To setup for static connection:

1. Go to the **One Page Setup** of the XRouter Aero config page.

2. Select **Specify an IP Address**.
3. Enter the *Static IP address* provided by your ISP in the field located immediately to the right of **Specify an IP Address**.
4. Enter the *Public Subnet Mask* provided by your ISP.
5. In the **Default Gateway IP Address** field, enter the information provided by your ISP. Note that it may refer to *Gateway / Router IP Address*. Also, note that this number is not the same as the *IP Address* value that you have entered in step 2.
6. Enter the DNS information provided by your ISP in the **Domain Name Server** fields. It should provide at least two unique DNS numbers.
7. Click **Apply** to save your changes.
8. Use your browser to establish an Internet connection to a website.

Note: If you experience any troubles, please refer to our Troubleshooting section.

PPPoE SETUP

The PPPoE section on the *One Page Setup* takes the place of your

ISP's proprietary software such as MacPoET, WinPoet and EnterNet 300. Major PPPoE ISPs include PacBell, Bell Atlantic, Earthlink/Mindspring, Southwestern Bell, Bell South and Bell Sympatico (Canada).

PPPoE Configuration Steps:

1. Click **PPPoE** to enable this protocol for your connection.
2. Enter the *username* assigned by your ISP. (i.e. ELNusername@earthlink.net)
3. Enter the *password* assigned by your ISP. Enter the *service name* only if required. Most ISPs do not use a service name.
4. Enable Connect-on-Demand.
5. Hit **Apply** to save these changes.
6. Use your browser to establish an Internet connection to a website.

See the FAQ on our website for additional instructions if needed.

Note: With PPPoE connections, we advise inputting your ISP's DNS addresses into both the DNS fields on the One Page Setup and your computer's TCP/IP network control panel. Some ISPs vary with their authentication information. Be sure to verify your username and password.

TROUBLESHOOTING

This chapter provides solutions to problems that may occur during the installation and operation of the XRouter Aero. Check the following symptoms and their possible causes before contacting Xsense Tech Support.

The WAN or LAN LED Link light is off.

1. Verify that all RJ-45 connectors are plugged in firmly. If the LED does not light up, try a second cable that has been verified to work properly.
2. Try both a Standard and Crossover CAT-5 Ethernet cable.
3. Be sure that the power adapter is plugged into an electrical outlet.

Can't connect to XRouter Aero via web browser.

1. Verify that the IP address "192.168.1.1" has been correctly entered in the URL field.
2. Ensure that the network cable connection and LAN LED indicator are correct on the XRouter Aero.
3. Check the TCP/IP setup on your client computer. Under Windows, check these settings in the Network Control Panel. For the Mac, these settings are located in the *TCP/IP* control panel. The client should get an IP address of "192.168.1.x" (where "x" is from 2 to 254.)

Can't connect the XRouter Aero to the Internet.

1. Check whether your ISP requires the use of the MAC address for the router. Some ISPs register the MAC address of the NIC card so as to limit only that computer to have Internet access. Contact your provider with the correct XRouter Aero's Public IP MAC address if it is necessary. A FAQ has been provided on

- our website to assist in this particular step.
 2. If using a Static IP address account provided by your ISP, verify that this information is correctly entered on the One Page Setup.
 3. Check cabling among all devices. Try a second known-good cable.
- My computer won't obtain a proper IP Address from the XRouter.**
4. Verify your cable connections are working properly and the LEDs are lit indicating a solid connection.
 5. Be sure the DHCP Server is enabled in the XRouter settings.
 6. Restart the computer to refresh your TCP/IP settings.

Performing a full reset on the XRouter.

1. Disconnect all devices from XRouter except power adapter.
2. Hold the Reset Button on the back panel for a full 15 seconds. Once the Ready/Test light flashes on and off, the XRouter will reset to factory default.

Suggestions

Although we have tried to encompass the major types of ISP setups, there will be those that are different or installs that experience trouble spots. For these, we recommend following the more inclusive User Manual. Also, we have provided FAQs on our website to further help with more popular issues.

Some wise suggestions:

- ✓ Always verify that your ISP connection is working before trying to setup the XRouter Aero.
- ✓ Copy down your TCP/IP and ISP settings for future reference.
- ✓ If you can't reach the One Page Setup, try a Manual IP setting on the computer. If that doesn't work, try a second computer with a new cable altogether. Resetting the XRouter at this point is also advisable.
- ✓ Verify that all of the proper LAN and WAN LED lights are lit properly ensuring a good cable connection.
- ✓ When contacting Technical Support, it will speed up the process to have all available information at hand.

Contact Information

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