Wireless-N Router
Quick Installation Guide

Introducing the *Wireless-N Router*

The *Wireless-N Router* is designed to support sharing internet access wirelessly with range up to four times farther than standard Wireless-G.

Features and Benefits

- High Internet Access throughput
- Allow multiple users to share a single Internet line
- Share a single Cable or xDSL internet connection
- Access private LAN servers from the internet
- Four wired LAN ports (10/100M) and one WAN port (10/100M)

System Requirements

- Internet connection, provided by xDSL or cable modem wih RJ-45 Ethernet port
- Computer or network devices with wired or wireless network interface card
- Web browser (Microsoft Internet Explorer 4.0 or above, Netscape Navigator 4.7 or above, Opera or Safari)
- Windows® 2000 / XP (32-/64-bit) / Server 2003 & 2008 (32-/64-bit) / Vista (32-/64-bit)

Package Contents

- *Wireless-N Router*
- Switching power adapter
- User's manual CD & Quick Installation Guide

Layout

Figure 1: Front Panel

LED Name	Light Status	Description
PWR	On	Router is switched on and correctly powered.
WLAN	On	Wireless WPS function is enabled.
	Off	Wireless network is switched off.
	Flashing	Wireless LAN activity (transferring or receiving data).
WAN 10/100M	On	WAN port (Internet) is running at 100Mbps.
	Off	WAN port (Internet) is running at 10Mbps.
	Flashing	WAN activity (transferring or receiving data).
WAN LNK/ACT	On	WAN port is connected.
	Off	WAN port is not connected.
	Flashing	WAN activity (transferring or receiving data).
LAN 10/100M	On	LAN port is running at 100Mbps.
	Off	LAN port is running at 10Mbps.
LAN LNK/ACT	On	LAN port is connected.
	Off	LAN port is not connected.
	Flashing	LAN activity (transferring or receiving data).
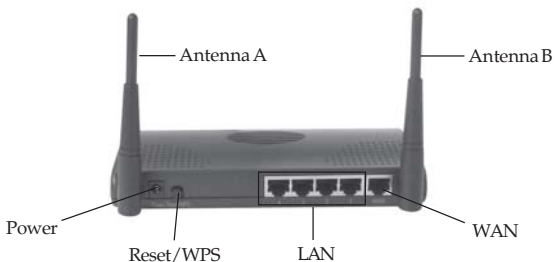
Figure 2: Back Panel

Item Name	Description
Antenna A/B	These antennas are 3dBi dipole antennas.
Power	Power connector; connects to A/C power adapter.
Reset / WPS	Reset the router to factory default settings (clear all settings) or start WPS function. Press this button and hold for 10 seconds to restore all settings to factory defaults, and press this button for less than 5 seconds to start WPS function.
1 - 4	Local Area Network (LAN) ports 1 to 4.
WAN	Wide Area Network (WAN / Internet) port.

Safety Information

In order to keep the safety of users and your properties, please follow the following safety instructions.

1. This router is designed for indoor use only. DO NOT place this router outdoors.

2. DO NOT put this router at or near hot or humid places, like kitchen or bathroom. Also, do not leave this router in the car during summer.

3. DO NOT pull any connected cable with force; disconnect cables from the router first.

4. If you want to place this router at high places or hang on the wall, please make sure the router is firmly secured. Falling from high places would damage the router and its accessories, and warranty will be voided.

5. Accessories of this router, like antenna and power supply, are a danger to small children and could cause serious injury to them. KEEP THIS ROUTER OUT THE REACH OF CHILDREN!

6. The router will become hot when being used for long time. This is normal and is not a malfunction. DO NOT put this router on paper, cloth, or other flammable materials.

7. There are no user-serviceable parts inside the router. If you find that the router is not working properly, please contact your place of purchase for help. DO NOT disassemble the router, doing so will void the warranty.

8. If the router falls into water when it's powered, DO NOT use your hand to pick it up. Switch the electrical power off before you do anything, or contact an experienced technician for help.

9. If you smell something strange, or even see some smoke coming out from the router or power supply, remove the power supply or switch the electrical power off immediately, and call dealer of purchase for help.

System and Network Setup

Please follow the instructions below to build the network connection between your new wireless router and your computers, network devices.

1. Connect your xDSL/cable modem to the WAN port of router by Ethernet cable, shown in **Figure 3**.
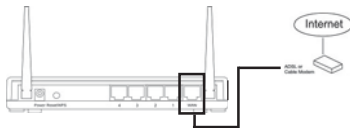

Figure 3

2. Connect all your computers, network devices (network-enabled consumer devices other than computers, like game console, or switch / hub) to the LAN port of the router, shown in **Figure 4**.
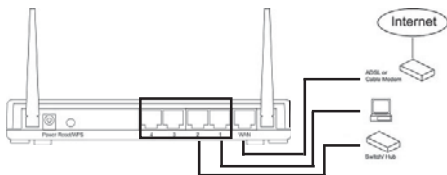

Figure 4

3. Connect the A/C power adapter to the wall socket, and then connect it to the **Power** socket of the router, shown in **Figure 5**.
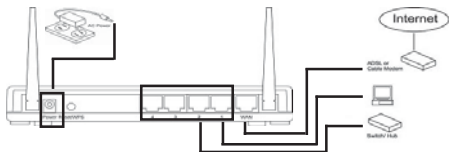

Figure 5

4. Please check all LEDs on the front panel. **PWR** LED should be steadily on, WAN and LAN LEDs should be on if the computer / network device connected to the respective port of the router is powered on and correctly connected.

If PWD LED is not on, or any LED you expected is not on, please recheck the cabling.

Connecting to Wireless Broadband Router by Web Browser

After the network connection is built, the next step you should do is setup the router with proper network parameters, so it can work properly in your network environment.

Before you can connect to the router and start configuration procedures, your computer must be able to get an IP address automatically (use dynamic IP address). If it's set to use static IP address, or you're unsure, please follow the following instructions to configure your computer to use dynamic IP address.

Windows 2000

1. Click **Start**, then click **Control Panel**.
2. Double click **Network and Dial-up Connections**, **Local Area Connection**, **Local Area Connection,** then click **Properties**.
3. Select **Internet Protocol (TCP/IP)**, then click **Properties**.
4. Select **Obtain an IP address automatically**, **Obtain DNS server address automatically**, then click **OK**.

Windows XP/Server 2003

1. Click **Start**, then click **Control Panel**.
2. Double click **Network Connections**, double click **Local Area Connection,** then click **Properties**.
3. Select **Internet Protocol (TCP/IP)** and then click **Properties**.
4. Select **Obtain an IP address automatically**, **Obtain DNS server address automatically**, then click **OK**.

Windows Vista™

1. Click **Start**, then click **Control Panel**.
2. Click **View Network Status and Tasks**, and then click **Manage Network Connections**.
3. Right-click **Local Area Network,** then select **Properties**. Right click **Local Area Network,** then click **Properties**.
4. Select **Internet Protocol Version 4 (TCP / IPv4)**, and then click **Properties**.
5. Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**, then click **OK**.

Windows Server 2008

1. Click **Start**, then click **Control Panel**.
2. Click **Classic View**, double click **Network and Sharing Center**.

3. Click **Manage network connections**.
4. Right click **Local Area Connection**, click **Properties**.
5. Select **Internet Protocol Version 4 (TCP / IPv4)**, and then click **Properties**.
6. Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**, then click **OK**.
7. Select **Internet Protocol Version 6 (TCP / IPv6)**, and then click **Properties**.
8. Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**, then click **OK**.

Router IP Address Lookup

1. After the IP address setup is complete, please click Start then **Run**, type in **cmd,** then click **OK**.

2. At the command prompt, type **ipconfig**, then press **Enter**. Please check the IP address followed by **Default Gateway** (In this example, the IP address of router is 192.168.2.1, please note that this value may be different), shown in **Figure 6**.

Figure 6

> **Note**: If the IP address of Gateway is not displayed, or the address followed by **IP Address** begins with **169**, please recheck network connection between your computer and router, and / or go to the beginning of this chapter, to recheck every step of network setup procedure.

3. Connect the router's management interface by web browser. After your computer obtained an IP address from router, please start your web browser, and input the IP address of router in address bar, shown in **Figure 7**.
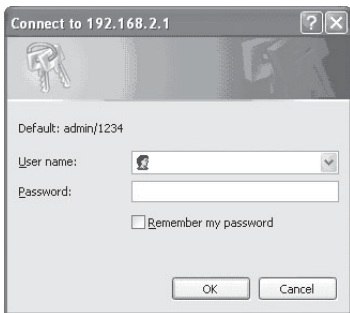

Figure 7

4. Please input user name and password in the field respectively, default user name is **admin**, and default password is **1234**, then press **OK** button, and you can see the web management interface of this router, shown in **Figure 8**.
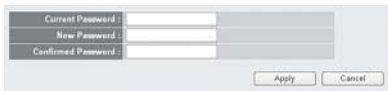

Figure 8

Note: If you can't see the web management interface, and you're being prompted to input user name and password again, it means you didn't input username and password correctly. Please retype user name and password again. If you're certain about the user name and password you type are correct, please go to **Troubleshooting** to perform a factory reset, to set the password back to default value.

Changing Management Password

This section is located in the **General Setup** in the home page. Default password of this router is **1234**, and it's displayed on the login prompt when accessed from web browser. There's a security risk if you don't change the default password, since everyone can see it. This is very important when you have wireless function enabled.

1. Click **System** menu on the left of web management interface.
2. Click **Password Settings,** a windows will pop out shown in **Figure 9**.
3. When you finish, click **Apply.** If you want to keep original password unchanged, click **Cancel**.

Figure 9

> **Note**: When you press and hold down the reset button for five seconds or more, the username and password will reset to the default settings.

Troubleshooting

If the router is working improperly or stops responding, don't panic! Before you contact SIIG Technical Support for help, please read this troubleshooting first. Some problems can be solved by you within very short time.

1. **Problem**: Router is not responding when I want to access it by web browser.

   Solution 1: Please check the power cord and network cable connection to the router. All cords and cables should be correctly and firmly inserted to the router.

   Solution 2: If all LEDs on this router are off, please check the status of A/C power adapter, make sure it's correctly powered.

   Solution 3: You must use the same IP address subnet which the router uses.

   Solution 4: Are you using MAC or IP address filter? Try to connect the router by another computer and see if it works; if not, please restore your router to factory default settings (pressing 'reset' button for over 10 seconds).

   Solution 5: Set your computer to obtain an IP address automatically (DHCP), and see if your computer can get an IP address.

   Solution 6: If you did a firmware upgrade and this happens, contact your place of purchase for help.

Solution 7: If all above solutions don't work, contact the place of purchase for help.

2. **Problem**: Can't connect to the Internet.

   Solution 1: Go to **Status**, **Internet Connection** menu, and check Internet connection status.

   Solution 2: Please be patient, sometime Internet is just that slow.

   Solution 3: If you connected a computer to Internet directly before, try to do that again, and check if you can get connected to Internet with your computer directly attached to the device provided by your Internet service provider.

   Solution 4: Check PPPoE / L2TP / PPTP user ID and password again.

   Solution 5: Call your Internet service provide and check if there's something wrong with their service.

   Solution 6: If you just can't connect to one or more website, but you can still use other internet services, please check URL / Keyword filter.

   Solution 7: Try to reset the router and try again later.

   Solution 8: Reset the device provided by your Internet service provider.

   Solution 9: Try to use IP address instead of hostname. If you can use IP address to communicate with a remote server, but can't use hostname, please check DNS setting.

3. **Problem**: My wireless client cant' locate the router.

    Solution 1: **Broadcast ESSID** set to off.

    Solution 2: Check that antennas are properly secured.

    Solution 3: Are you too far from your router? Try to get closer.

    Solution 4: Please remember that you have to input ESSID on your wireless client manually, if ESSID broadcast is disabled.

4. **Problem**: File download is very slow or breaks frequently.

    Solution 1: Are you using QoS function? Try to disable it and try again.

    Solution 2: Internet is slow sometimes, be patient.

    Solution 3: Try to reset the router and see if it's better after that.

    Solution 4: Find out what other computers are doing on your local network. If someone's transferring big files, other people will think internet is really slow.

    Solution 5: If this never happened before, call your Internet service provider to find out if there is something wrong with their network.

5. **Problem**: I can't log onto web management interface.

    Solution: Make sure you're connecting to the correct IP address of the router.

6.   **Problem**: The password is wrong.
     Solution 1: Password is case-sensitive. Make sure the **Caps Lock** light is not on.
     Solution 2: If you forgot the password, do a hard reset.

7.   **Problem**: The router becomes hot.
     Solution 1: This is not a malfunction, if you can keep your hand on the router's case.
     Solution 2: If you smell something wrong or see the smoke coming out from router or A/C power adapter, please disconnect the router and A/C power adapter from utility power (make sure it's safe before you're doing this!), and call your dealer of purchase for help.

8.   **Problem**: The date and time of all event logs are wrong
     Solution: Adjust the internal clock of router.

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Technical Support and Warranty

QUESTIONS? SIIG's **Online Support** has answers! Simply visit our web site at *www.siig.com* and click **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and a technical support analysts will promptly respond.

SIIG offers a 5-year manufacturer warranty with this product. Please see our web site for more warranty details. If you encounter any problems with this product, please follow the procedures below.

If it is within the store's return policy period, please return the product to the store where you purchased from. If your purchase has passed the store's return policy period, please follow these steps to have the product repaired or replaced.

Step 1: Submit your RMA request.

Go to **www.siig.com**, click **Support**, then **RMA** to submit a request to <u>SIIG RMA</u>. If the product is determined to be defective, an RMA number will be issued.

Step 2: After obtaining an RMA number, ship the product.

- Properly pack the product for shipping. All accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
- You are responsible for the cost of shipping. Ship the product to the following address:

  SIIG, Inc.
  6078 Stewart Avenue
  Fremont, CA 94538-3152, USA
  RMA #: ─────────

- SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

About SIIG, Inc.

Founded in 1985, SIIG, Inc. is a leading computer upgrade manufacturer of I/O connectivity products, including PCI & ISA serial and parallel ports, USB, Serial ATA & UltraATA controllers, FireWire (1394a/b), networking, sound cards, and other accessories. SIIG is the premier one-stop source of upgrades.

SIIG products offer comprehensive user manuals, many user-friendly features, and are backed by an extensive manufacturer warranty. High-quality control standards are evident by the overall ease of installation and compatibility of our products, as well as one of the lowest defective return rates in the industry. SIIG products can be found in computer retail stores, mail order catalogs, through major distributors, system integrators, and VARs in the Americas and the UK, and through e-commerce sites.

PRODUCT NAME
Wireless-N Router

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B
OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE

SIIG, Inc.
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