

WRN500

Compact Wireless Router 802.11a/b/g/n

User's Manual

Federal Communication Commission

Interference Statement

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 against harmful interference in a residential installation. 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 needed.
- ☐ Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

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 user's manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



CAUTION:

1. To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.
2. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter

Chapter 1:

Introduction

This is a compact/travel size IEEE802.11a/b/g/n router with 2 fast Ethernet ports, which provides a powerful high-speed wireless connection for compatible wireless-enabled devices into the network with the freedom to roam. With web-based UI, this Access Point is easy to be setup and maintained. All functions can be configured within the easy and friendly user interface via web browser. Via the fast wireless network speed up to 150 Mbps, you can be very comfortable to have experience of high speed web surfing, files downloading, online game playing, and video conference session and streaming high quality multimedia materials. The Wireless Portable Router provides WPA/WPA2, 64/128 bit WEP encryption and IEEE802.1x which ensures a high level of security to protect users' data and privacy when you are traveling.

- Create temporary, personal, wireless access in your hotel room or a coffee shop hotspot
- Travel size design with selectable extra 2dBi high gain dipole antenna to enhance performance
- High security with build-in: WEP 64/128, WPA, WPA2 mixed, 802.1x and 802.11i
- Support AP, Gateway and Client Mode
- Wireless Quality of Service (QoS) - 802.11e, WMM
- Support WPS (Push button/ Pin code)
- Slide switch to change mode (Gateway/AP/Client) easily.

LED Behavior				
LED	Printed	Color	Behavior	Indication
Power		Green	ON	Power on
			OFF	Power off
Wireless LAN		Green	OFF	WLAN off
			ON	WLAN link / active
			Blinking	WLAN traffic transmitting

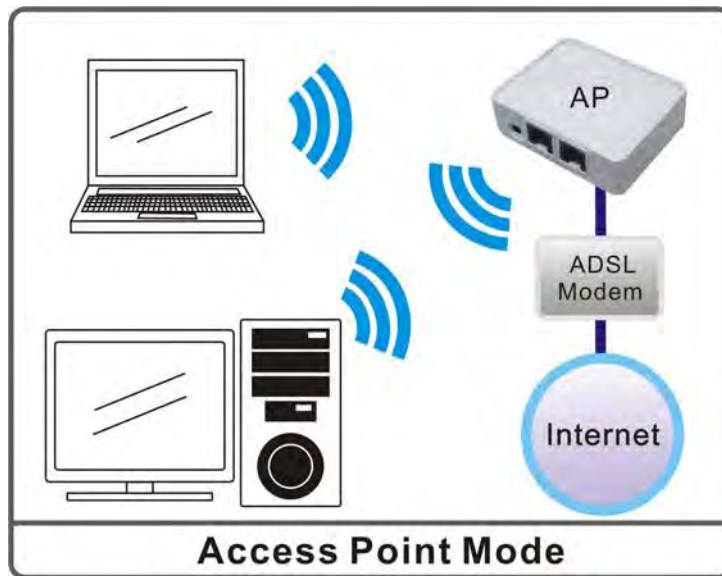
Rear Panel

Reset	Keep on pressing the Reset button more than 3 seconds, the Wireless Portable Router will set all setting back to factory default values.
WAN	Connect the ADSL or Cable Modem here with RJ45 cable. If your modem came with a cable, use the supplied cable, otherwise, use a standard LAN cable.
LAN	Use standard LAN cables (RJ45 connectors) to connect your PCs to the port. If required, any port can be connected to another hub. Any LAN port will automatically function as an "Uplink" port when necessary.

DC 5V/1A

Connect the power supply adapter here.



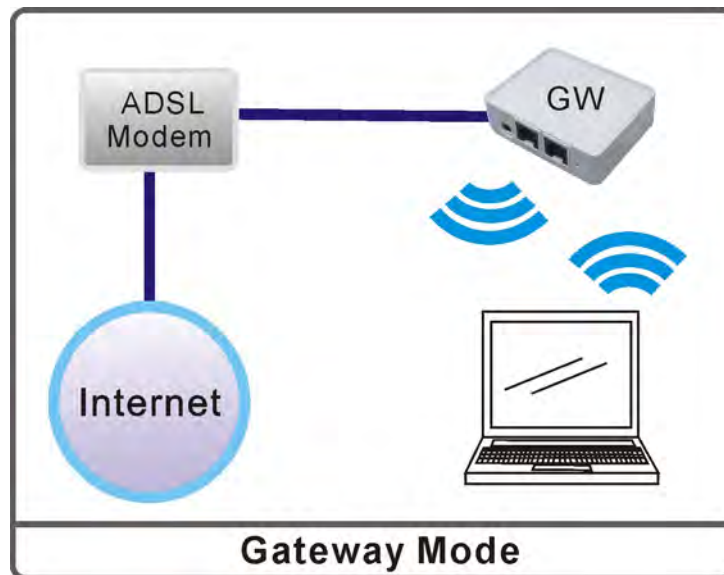


System Status

Let's take a look at the status of system.	
Internet	
Item	Status
Firmware Version	21.4.0.0.0.1e_b4 (Mar 24 2009)
System Up Time	54 secs
Operation Mode	AP Mode

Gateway Mode

When [Gateway](#) (GW) mode is selected, the device will enter gateway mode. And the wireless connection will be set up from a point-to-point local LAN into a point-to-multipoint WAN.

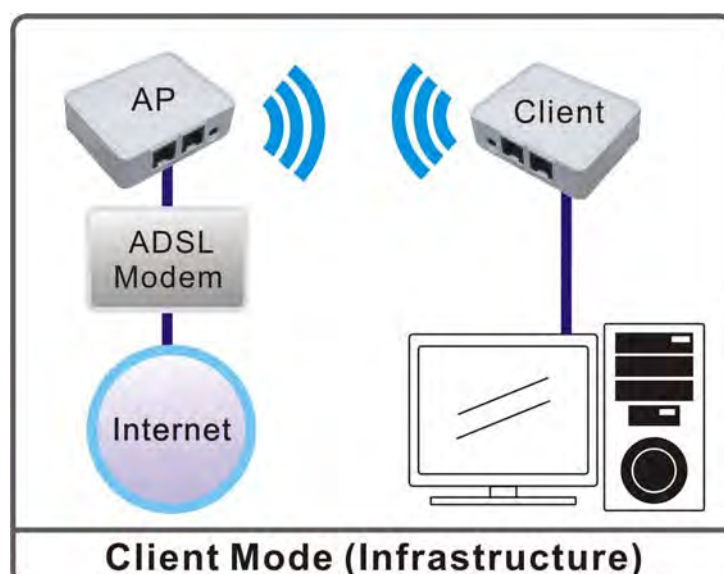


System Status

Let's take a look at the status of system.	
Internet	
Item	Status
Firmware Version	21.4.0.0.0.1e_b4 (Mar 24 2009)
System Up Time	27 secs
Operation Mode	Gateway Mode

Client Mode

If set to Client (Infrastructure) mode, a device connects to each other through an access point or a base station (gateway or router.) This device can work like a wireless station when it's connected to a computer directly, so that the computer can send packets from wired end to wireless interface.

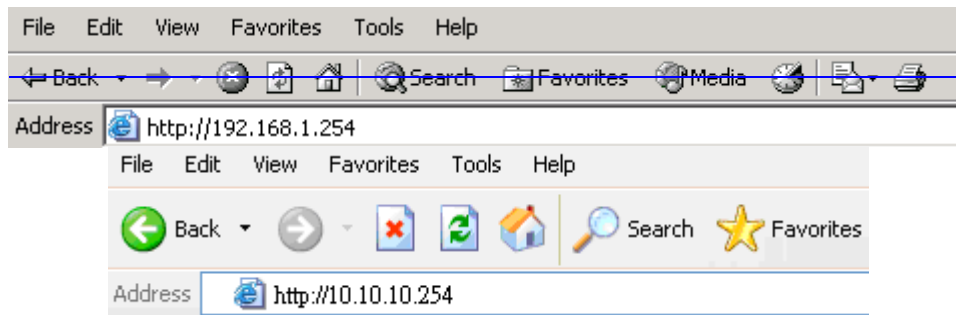


System Status

Let's take a look at the status of system.

Internet

Item	Status
Firmware Version	21.4.0.0.0.1e_b4 (Mar 24 2009)
System Up Time	28 secs
Operation Mode	Client Mode



[4.1. After connected successfully, the following screen will show up.](#) Simply enter the username "admin" and password "admin" to login.



If you cannot connect...

If the Wireless Portable Router does not respond, check the following:

- The Wireless Portable Router is properly installed, LAN connection is OK, and it is powered ON. You can test the connection by using the "Ping" command:
 - Open the MS-DOS window or command prompt window.
 - Enter the command:
ping 10.10.10.254
If no response is received, either the connection is not working, or your PC's IP address is not compatible with the Wireless Portable Router's IP Address. (See next item.)
- If your PC is using a fixed IP Address, its IP Address must be within the range 10.10.10.1 to 10.10.10.253 to be compatible with the Wireless Portable Router's default IP Address of 10.10.10.254. Also, the Network *Mask* must be set to 255.255.255.0. See [Chapter 4 - PC Configuration](#) for details on checking your PC's TCP/IP settings.
- Ensure that your PC and the Wireless Portable Router are on the same network segment. (If you don't have a router, this must be the case.)
- Ensure you are using the wired LAN interface. The Wireless interface can only be used if its configuration matches your PC's wireless settings.

WLAN Access Point

Mode | Status | TCP/IP | Other

Thank you for using WLAN Access Point.