Loopcomm

LP-9776GR
High Power Wireless-N
AP Router Dual Band

READ FIRST
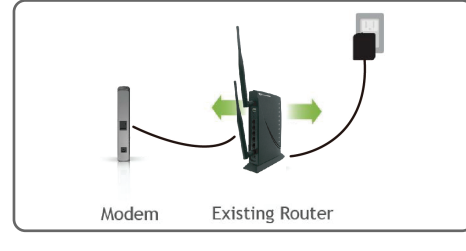
Quick Install Guide 1.0.0

Step1
High Power Wireless-N 600mW Gigabit Dual Band Router

Disconnect and Power Off your Existing Router
**(If you have one)**

Disconnect your existing router from your computer, your broadband modem and its power outlet. If you do not have an existing router please continue to Step 2.

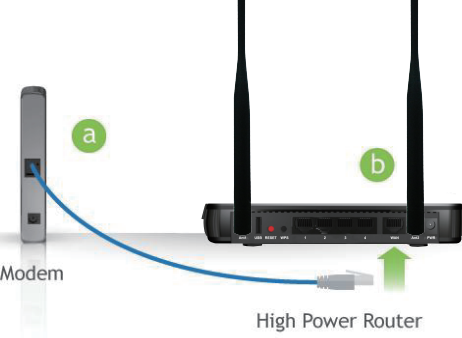Modem   Existing Router

Step2
Power Off your Modem

Power off the modem by disconnecting the modem's power adapter from the power outlet. If your modem has a backup battery, remove the backup battery from your modem.

Do NOT power on your modem until Step 4.

Remove
Backup battery
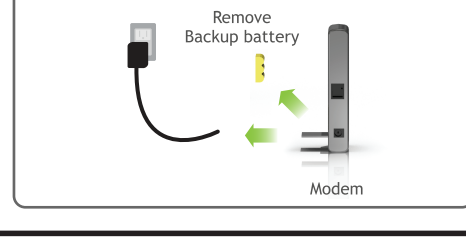
Modem

Step3
Connect the High Power Router to your Modem

a Use the included blue Ethernet cable and connect one end of the cable to your modem.

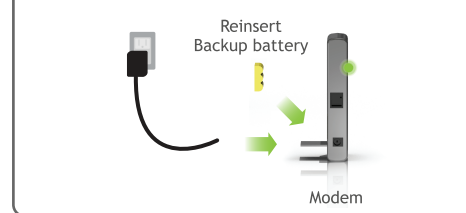b Connect the other end of the cable to the WAN port on the High Power Router.

Do NOT connect the power adapter to the High Power Router at this time.

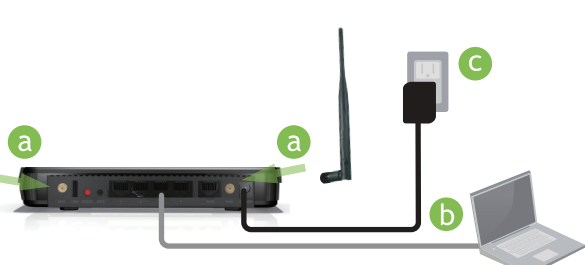Modem

High Power Router

Step4
Power On your Modem

Plug in the power adapter and reinsert the backup battery (if available) to power on the modem.

Allow a minute or two for the modem to initiate.

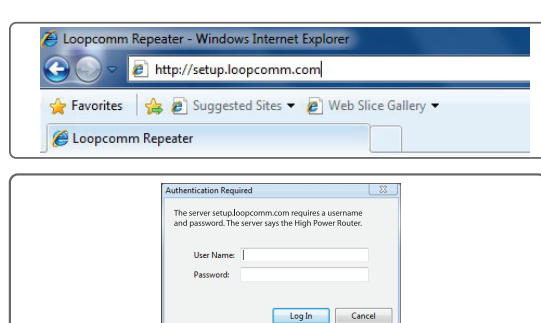Reinsert
Backup battery

Step5
Power On the High Power Router and Connect it to your Computer

a Attach the two included Antennas.

b Connect the included grey Ethernet cable to an available network port on your computer.

c Attach the Power Adapter to the High Power Router's **PWR** port and a power outlet.

Step6
Open your Web Browser

Loopcomm Repeater - Windows Internet Explorer

Favorites   Suggested Sites   Web Slice Gallery

Loopcomm Repeater

Authentication Required
The server setup.loopcomm.com requires a username and password. The server says: High Power Router.
User Name:
Password:

Login   Cancel

Enter the setup web address into your browser:

http:// setup.loopcomm.com

If the URL fails to open, then try: http://192.168.1.1

When prompted, enter the login and password:
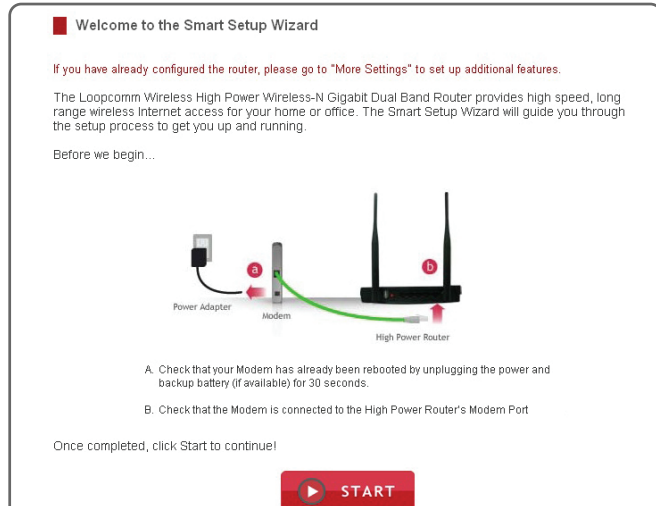
LOGIN: admin
PASSWORD: admin

IF YOU HAVE PROBLEMS ACCESSING THE WEB MENU...

Disable any third party firewalls that your computer may have on (e.g., Norton/ZoneAlarm/Windows Defender). Check to see that your computer is NOT connected to any wireless networks.

Accessing the setup menu does not require Internet access. The menu is served from the Router.

Step7
Welcome to the Smart Setup Wizard

Welcome to the Smart Setup Wizard

If you have already configured the router, please go to "More Settings" to set up additional features

The Loopcomm Wireless High Power Wireless-N Gigabit Dual Band Router provides high speed, long range wireless internet access for your home or office. The Smart Setup Wizard will guide you through the setup process to get you up and running.

Before we begin...

High Power Router

A. Check that your Modem has already been rebooted by unplugging the power and backup battery (if available) for 10 seconds
B. Check that the Modem is connected to the High Power Router's Modem Port
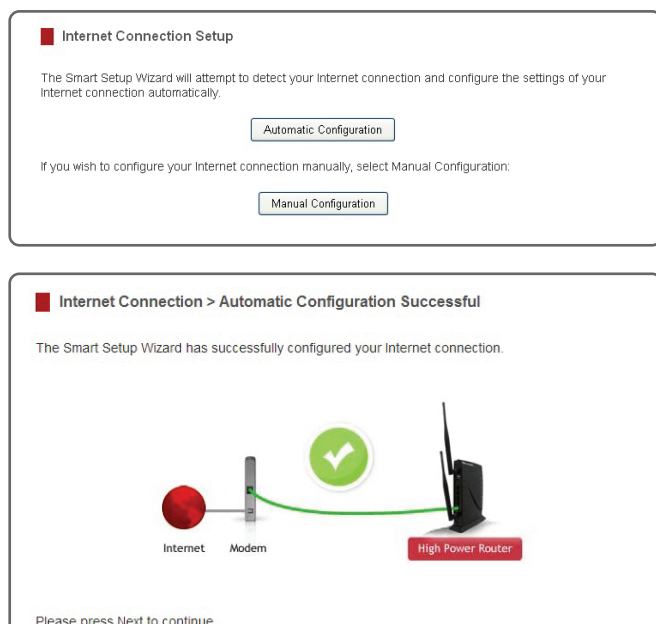
Once completed, click Start to continue

▶ START

The Smart Setup Wizard will guide you through the following settings:

1 Internet Connection Settings
2 System Clock
3 Wireless Settings

Click Start to begin.

Step8
Configure your Internet Connection

Internet Connection Setup

The Smart Setup Wizard will attempt to detect your Internet connection and configure the settings of your internet connection automatically.

Automatic Configuration

If you wish to configure your Internet connection manually, select Manual Configuration

Manual Configuration

Internet Connection > Automatic Configuration Successful

The Smart Setup Wizard has successfully configured your Internet connection.

Internet   Modem   High Power Router

Please press Next to continue

Automatically configure your Internet settings by clicking on Automatic Configuration.

More advanced users may choose to configure their connection manually by selecting Manual Configuration.

If your Internet provider requires that you login before accessing the Internet, you will need to do so under Manual Configuration.
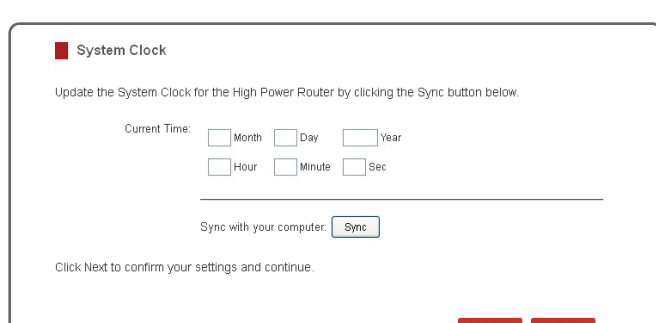
If there is a problem with the Automatic Configuration, the wizard will notify you of the issue.

If the Automatic Configuration was successful, you will be directed to a Configuration Successful page.

Click Next to continue.

Step9
Set the System Clock

System Clock

Update the System Clock for the High Power Router by clicking the Sync button below

Current Time: Month   Day   Year
                Hour   Minute   Sec

Sync with your computer: Sync

Click Next to confirm your settings and continue

BACK   NEXT

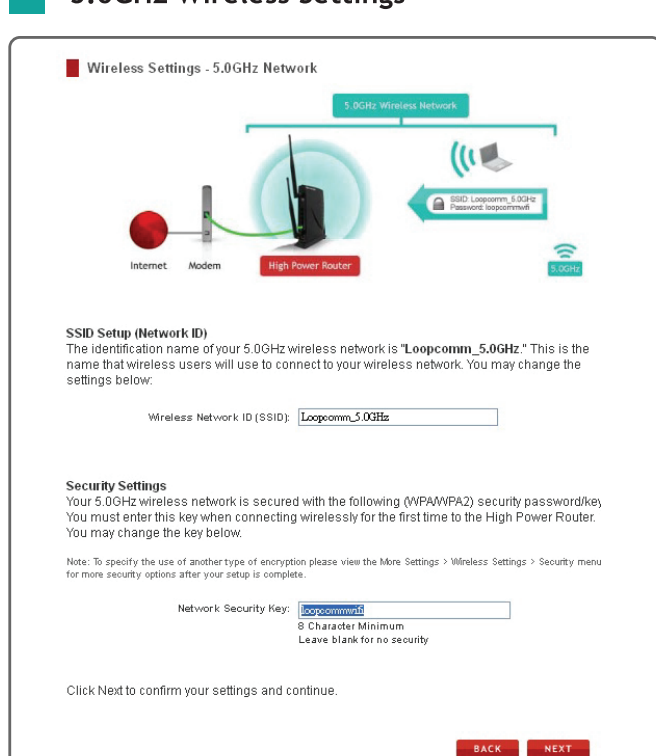The System Clock is used for system logs and setting schedules for Internet access. Click **Sync** to synchronize the System Clock with the time on your computer.

Click Next to continue.

Step10
Configure your Wireless and Security Settings

5.0GHz Wireless Settings

Wireless Settings - 5.0GHz Network

5.0GHz Wireless Network

Internet   Modem   High Power Router

SSID Setup (Network ID)
The identification name of your 5.0GHz wireless network is "Loopcomm_5.0GHz." This is the name that wireless users will use to connect to your wireless network. You may change the settings below.

Wireless Network ID (SSID):   Loopcomm_5.0GHz

Security Settings
Your 5.0GHz wireless network is secured with the following (WPA/WPA2) security passcode/key. You must enter this key when connecting wirelessly for the first time to the High Power Router. You may change the key below.

Note: To specify the use of another type of encryption please view the More Settings > Wireless Settings > Security menu. For more security options when your setup is complete.

Network Security Key: loopcommwifi

Click Next to confirm your settings and continue.

BACK   NEXT

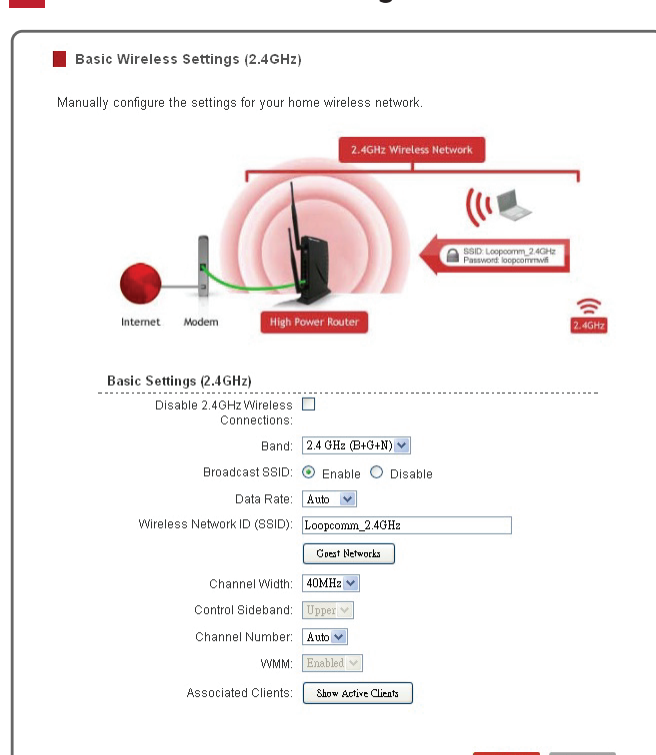The default ID of your 5.0GHz wireless network is:
Loopcomm_5.0GHz

To change it, enter a new name in the SSID field. Users connecting wirelessly to the Router will use this ID to identify your 5.0GHz wireless network.
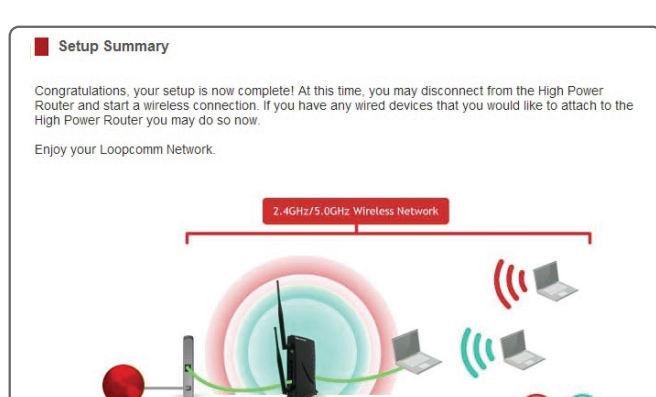
The default Security Key (WPA/WPA2) of your 5.0GHz wireless network is: **loopcommwifi**

To change it, enter a new key in the Security Key field. The key must be at least 8 characters long.

Click Next to apply your settings and continue with the settings for your 2.4GHz network.

2.4GHz Wireless Settings

Basic Wireless Settings (2.4GHz)

Manually configure the settings for your home wireless network.

2.4GHz Wireless Network

Internet   Modem   High Power Router

Basic Settings (2.4GHz)
Disable 2.4GHz Wireless
Connections:
Enable   2.4 GHz (B+G+N) ▼
Broadcast SSID ◉ Enable ○ Disable
Data Rate   Auto ▼
Wireless Network ID (SSID)   Loopcomm_2.4GHz
                Clear Wireless
Channel Width   40/80 ▼
Control Sideband Upper ▼
Channel Number   Auto ▼
VWMM   Disable ▼
Associated Clients   Show Active Clients

APPLY   RESET

The default ID of your 2.4GHz wireless network is:
Loopcomm_2.4GHz

To change it, enter a new name in the SSID field. Users connecting wirelessly to the Router will use this ID to identify your 2.4GHz wireless network.

The default Security Key (WPA/WPA2) of your 2.4GHz wireless network is: **loopcommwifi**

To change it, enter a new key in the Security Key field. The key must be at least 8 characters long.

Click Next to apply your settings. The High Power Router will reboot. This process may take up to 1 minute. The page will automatically reload after the countdown. If it does not, you may need to refresh the page manually or check your connection to the router.

Step11
Setup Summary

Setup Summary

Congratulations, your setup is now complete! At this time, you may disconnect from the High Power Router and start a wireless connection. If you have any wired devices that you would like to attach to the High Power Router you may do so now.

Enjoy your Loopcomm Network.

2.4GHz/5.0GHz Wireless Network

Internet   Modem   High Power Router

Congratulations, the High Power Router is now successfully configured, and your settings are now saved. You may now connect additional devices directly to the 4 wired ports on the back panel, or connect wirelessly to the High Power Router.

LED Indicator Information
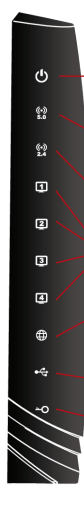
- **Power:** Indicates when the High Power Router is powered on. The LED will remain on.
- **5.0GHz Wireless Activity:** Blinks rapidly when data traffic is transmitted or received over the 5.0GHz wireless network.
- **2.4GHz Wireless Activity:** Blinks rapidly when data traffic is transmitted or received over the 2.4GHz wireless network.
- **Gigabit Wired Ports 1-4:** Indicates when a networking device is connected to a wired port on the back of the High Power Router. The LED blinks rapidly when wired data traffic is transmitted or received.
- **Internet Connection:** Indicates when the High Power Router is connected to a broadband modem. The LED will blink rapidly when Internet traffic is transmitted or received.
- **USB Connection:** Indicates when a USB storage device is connected to the USB port.
- **WPS:** Wi-Fi Protected Setup activity. When the WPS mode is activated, the WPS LED blinks as it awaits a connection.

How to Connect Wirelessly to the High Power Router:

Windows 7 and Vista

A. Click on the Wireless icon to see available wireless networks (For Vista, click Start > Connect To). Select "**Loopcomm_2.4GHz**" or "**Loopcomm_5.0GHz**" network and click **Connect**.
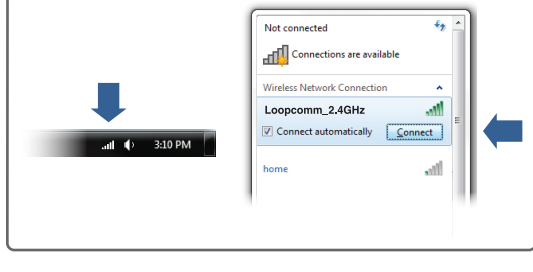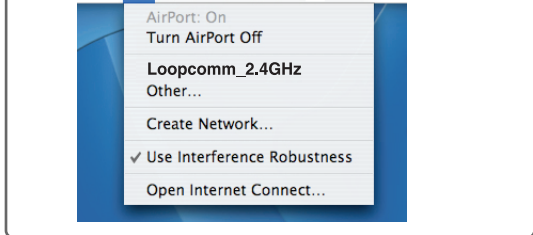
B. When prompted, enter the wireless security key "**loopcommwifi**" and click OK.
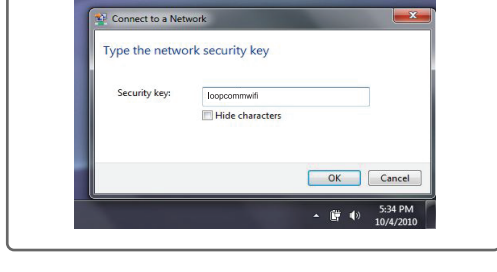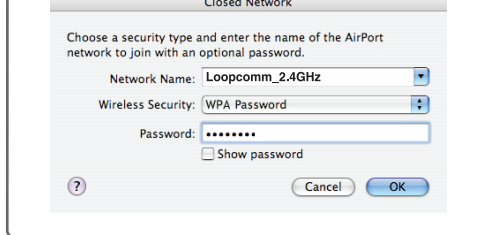
Mac OS X

A. Click on the Wireless icon to see available wireless networks. Select "**Loopcomm_2.4GHz**" or "**Loopcomm_5.0GHz**" network.

B. When prompted, enter the wireless security key "**loopcommwifi**" and click OK.

iPad Tablet

A. Tap the "Home" button to get to the home page.
B. Tap the "Settings" app icon.
C. Tap on Wi-Fi to enter the iPad's Wi-Fi settings.
D. Toggle the Wi-Fi "On/Off" selector switch to "On"
E. Under "Choose a Network," select:
   "**Loopcomm_2.4GHz**" or "**Loopcomm_5.0GHz**"
F. When prompted, enter the wireless security key:
   "**loopcommwifi**"

Android Tablet

A. Tap the "Apps" menu on the tablet screen.
B. Locate and tap the "Settings" app icon.
C. Under "Wireless & networks," tap "Wi-Fi settings"
D. Tap the Wi-Fi box to turn on Wi-Fi and scan.
E. Under "Wi-Fi networks," select:
   "**Loopcomm_2.4GHz**" or "**Loopcomm_5.0GHz**"
F. When prompted, enter the Password key:
   "**loopcommwifi**"
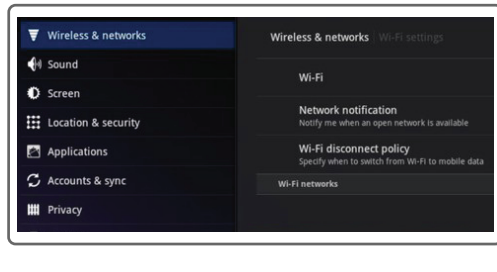
Wi-Fi Protected Setup (One-Touch Setup or Push Button Configuration)

If your Wi-Fi device has WPS one-touch setup, you can use it to connect to the High Power Router:

A. Hold down the WPS button on the High Power Router (back panel) for 3 seconds. The WPS LED will begin to blink.

B. As it blinks, push the WPS button on your wireless adapter or enable WPS with the provided software for your wireless adapter. WPS will automatically configure the connection settings for your wireless adapter to connect to the High Power Router.
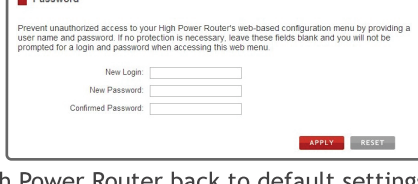
Setting a Login and Password

The High Power Router has a default login and password to access the web menu:

LOGIN:	admin
PASSWORD:	admin

This login/password is NOT the wireless network key used to connect to your wireless network.

It is strongly recommended that you change these settings and select your own personal login and password. The Password menu can be accessed through the web menu under More Settings > Management > Password on the left side of the web menu.

If you forget your login and password, you will need to reset the High Power Router back to default settings and use the default login and password (login: admin, password: admin) to access the web menu. View the instructions below on how to reset your High Power Router back to default settings.

Using the Features on the High Power Router

The High Power Router is equipped with many powerful security features which can be accessed through the web menu under Smart Features, Firewall Settings and Quality of Service on the left side of the web menu:

More Settings
5.0GHz Wi-Fi Settings
2.4GHz Wi-Fi Settings
Network Settings
Smart Features
Block Websites
User Access (MAC)
User Access (IP)
USB Storage
Firewall Settings
Quality of Service
Routing Setup
Management

Web Menu (Left Side)

Wireless Access Scheduling
Control when your Wi-Fi is on/off
Location: 2.4 or 5.0GHz Wi-Fi Settings > Access Schedule

User Access Control (Mac/IP)
Restrict network access to specific users
Location: Smart Features > User Access

Wireless Coverage Control
Adjust the distance of your wireless network
Location: 2.4 or 5.0GHz Wi-Fi Settings > Wireless Coverage

Block Websites
Prevent access to specific websites
Location: Smart Features > Block Websites

Firewall Settings
Protect your network from outside intruders
Location: Firewall Settings

Quality of Service (Prioritize Bandwidth)
Manage your network bandwidth
Location: Quality of Service

If you are unfamiliar or want more information on how to set up Smart Features, Firewall Settings, Quality of Service, please refer to the User's Guide on the included CD.

How to Share USB Storage Devices

1. Connect a USB storage device to the USB port on the back panel.

2. Log onto the web menu at **http://setup.loopcomm.com** and click the USB Storage tab.

3. Follow the instructions for configuring the settings to share the USB storage device.

How to Reset the High Power Router to Default Settings

There are two options to reset the High Power Router back to factory default settings:

1. Access the Reset button through the web menu under More Settings > Management > Save/Reload Settings on the left side of the web menu. Select the Reset Settings to Default.

2. Access the physical Reset button on the back panel of the High Power Router: Hold down the Reset button for five to ten (5-10) seconds. You may need to use a pen tip or pin to access the button. Pressing the Reset Button for less than five (5) seconds will simply reboot the High Power Router while saving your existing settings.

Troubleshooting Tips

PROBLEM: I entered setup.loopcomm.com and it failed to open the Web Menu.

SOLUTIONS: a. Make sure your computer is connected to the High Power Router using the included Ethernet cable. Ensure that the power on the High Power Router is on.
b. Check that your computer IS NOT connected to any wireless networks. If it is, disable your Wi-Fi connection and disconnect from all wireless networks. Reboot the router and try again.
c. Close your current web browser and reopen it. Use Google Chrome, Internet Explorer (8.0 and up), or Safari.
d. Open your web browser and enter 192.168.3.1 into the web address bar.
e. Reset the High Power Router to default settings by holding the Reset Button (located on the back panel) for ten (10) seconds and try again.
f. If you still cannot access the menu, disconnect the Ethernet cable and connect wirelessly to the High Power Router. Open your web browser to setup.loopcomm.com.

PROBLEM: I am having problems with features on the Web Menu. When clicking buttons, it does not register my action.

SOLUTION: a. Check that you are using a supported web browser: Google Chrome, Internet Explorer (8.0 and up) and Safari. If you are using an unsupported web browser, such as Firefox, please change to one of the supported web browsers and try again.

PROBLEM: I have a DSL connection and I am not able to access the Internet through the High Power Router.

SOLUTION: a. Your Internet provider may require that you enter your login information to access the Internet. To enter your information, go to Manual Configuration from the Smart Setup Wizard and access the PPPoE menu from the dropdown menu. Enter the required login information for your Internet provider.

PROBLEM: The Smart Setup Wizard could not automatically configure my Internet connection.

SOLUTIONS: a. Reset your modem by holding down the reset button located on the back of the modem for approximately ten (10) seconds. Try again.
b. Reboot the High Power Router by unplugging the power adapter and plugging it back in.
c. Static IP: Your Internet connection may require a static IP. Check with your ISP to obtain the IP settings.
d. DSL Connection: Your Internet connection may require login information. If you are using PPPoE mode, you will need to manually configure your Internet connection settings and obtain your username and password.
e. Cable Modem: Your Internet connection may require you to clone your MAC address. Go to More Settings > IP Settings > Internet Network (WAN) and select Automatic/Dynamic (DHCP) from the dropdown menu. Clone your PC's MAC address under the DNS settings.

PROBLEM: I am not getting maximum signal strength on my wireless signal display when connecting to the High Power Router.

SOLUTIONS: a. Step back at least 10 feet from the High Power Router and check your signal again. The High Power Router emits high power, long range Wi-Fi signals that may confuse your wireless adapter signal reading at close range. The speed and signal are at 100%, however, your wireless network adapter readout may not be displaying correctly.
b. Change the wireless channel on the High Power Router and try again. There may be wireless interference in your installation environment.

PROBLEM: My computer is getting an IP address of 169.254.x.x and/or Windows networking says I have "Limited or no Connectivity."

SOLUTIONS: a. Make sure the High Power Router is powered on.
b. Check that your computer's network adapter is enabled and is set to "Obtain IP Address Automatically"
c. Restart your computer and try again.
d. You may have a faulty network port. Try connecting to the High Power Router from another computer or using the wireless connection on your computer, if possible.

PROBLEM: I cannot find the 5.0GHz network when scanning from my computer

SOLUTION: a. Your computer may have a single band, 2.4GHz only capable network adapter.