

Rosewill[®]



LINK - L600N

Dual Band Wireless Router

User Manual



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INTRODUCTION

Thank you for purchasing this Rosewill Networking product. At Rosewill we believe that excellence is a standard. Our customers deserve nothing less than the best. By purchasing a Rosewill product you are choosing exceptional value, unrivaled customer service and top quality hardware. If you have any questions please feel free to contact us. We'd love to hear from you and thank you for your support!

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<http://www.rosewill.com>

PRODUCT OVERVIEW

Package Content

- L600N Dual Band Wireless N Router
- Power Adapter for L600N
- Quick Installation Guide
- Resource CD: User Manual, Quick Installation Guide
- Mounting Stand

Note:

- Make sure that the package contains the above items. If any of the listed items are damaged or missing, please contact with your distributor.
- Using a power supply with a different voltage rating than the one included with the L600N will cause damage and void the warranty for this product.



PRODUCT OVERVIEW

LED Indicator



(From Left to Right)

- **USB:** Indicates when a USB device is connected to the USB port on the right side of the Router. The LED blinks rapidly when data is transmitted or received.
- **Power:** Indicates when the Router is powered on. The LED will remain on.
- **2.4 GHz:** Blinks rapidly when the wireless data traffic is transmitted or received over the 2.4GHz wireless network.
- **WPS:** Wi-Fi Protected Setup activity. When the WPS mode is activated the WPS LED blinks as it awaits a connection.
- **Modem:** Indicates when modem is connected to the modem port on the back of the Router. The LED blinks rapidly when data is transmitted or received.
- **LAN:** Indicates when a networking device is connected to a wired port on the back of the Router. The LED blinks rapidly when wired data traffic is transmitted or received.
- **5GHz:** Blinks rapidly when wireless data traffic is transmitted or received over the 5GHz wireless network.

PRODUCT OVERVIEW

Back Panel Indicator



(From Left to Right)

- **RESET:** Push once to reboot the Router. Hold down for 5-10 seconds to reset the Router back to factory settings.
- **POWER ON/OFF:** Push to Power on or off the Router
- **12V=1A:** Power Adapter port. Output: 12V 1A, Input: 100-240v
- **Modem:** RJ-45 port for connecting to your Broadband Modem
- **LAN:** RJ-45 ports for connecting to wired computers or other network devices. (LAN 1~4 from left to right)
- **WPS:** Push and hold for 3 seconds to enable WPS push button configuration.

PRODUCT OVERVIEW

Side Panel Indicator



- **WiFi ON/OFF:** Push to turn ON/OFF of the WiFi Signal
- **USB:** Insert USB storage devices, such as USB flash drives and external hard drives, for file sharing.

QUICK SETUP GUIDE

Connecting Guide



1. Disconnect and Unplug your Existing Router

- Disconnect the RJ45 Cable in your existing router from your computer, broadband modem, and the power adapter from the power outlet.



2. Power Off your Modem and Remove the Backup Battery if any

- Remove the power adapter to power off your modem. Remove the modem's backup battery if your modem has one.



3. Connecting the L600N Wireless Router to your modem

- Plugs one end of your Ethernet Cable to the modem and the other end to your L600N's "modem" port **Modem**

QUICK SETUP GUIDE

Connecting Guide



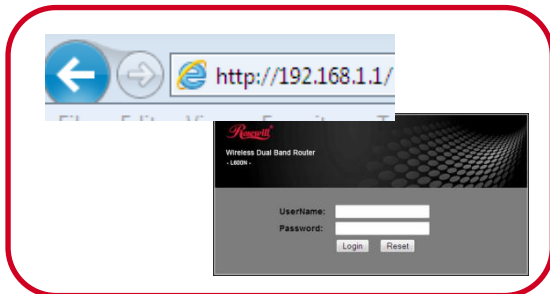
4. Power on the Modem

- Insert the backup battery back to your modem, and plug back your modem's power adapter.
- Please wait 1~2 minutes the modem's initialization to complete.



5. Power on your L600N Wireless Router and connect to your Computer

- Connects one end of the Ethernet Cable to your L600N's LAN port **LAN**
- Connects the other end of the Ethernet Cable to your Computer
- Plug in the power adapter of your L600N and power on your computer if it haven't turn on.



6. Open your Web Browser and type in "192.168.1.1" in the address bar


- When prompted, Enter the User Name and Password

User Name: admin

Password: admin

QUICK SETUP GUIDE

Connecting Guide



Setup Wizard

7. Setup Wizard Guide

- Click on **Setup Wizard**.
- Select “**Yes**”, then “**Next**”
- L600N will Auto-Detect your Network and guide you through a step by step setting. (If your connection was not detected here, you will need to setup manually under **Network Setup’s WAN Interface Setup** on page 23.)

Setting up your internet

The smart setup wizard can detect the type of internet connection that you have.
Do you want the smart setup wizard to try and detect the connection type now?

- Yes.
- No. I Want To Configure The Router Myself.

Next

Setup Wizard



Detecting Connection Type on Internet Port.
Please wait a moment ...

QUICK SETUP GUIDE

Connecting Guide

Setup Wizard

PPPoE detected

Successfully detected the type of Internet connection you have.

Back Next

Setup Wizard

Dynamic IP (DHCP) detected

Successfully detected the type of Internet connection you have.

Back Next

Setup Wizard

Static IP (Fixed) detected

Successfully detected the type of Internet connection you have.

If you believe you have received this message in error, please power cycle your modem (unplug the modem and plug it back in). Then close this screen, and reopen a new Web browser (e.g., Internet Explorer)

Back Next

8. Setup Wizard Guide

- Depending on your Internet Service Provider (ISP) Type, you should see one of the 3 types being detected.
- **PPPoE:** PPPoE requires you having the **User Name** and **Password** provided by your ISP. Normally happens when using DSL connection.
- **Dynamic IP (DHCP):** DHCP does not require entering anything. Usually happens when getting connection from an existing internet Connection.
- **Static IP (Fixed):** Fixed requires you entering a set IP address, Subnet Mask, Gateway IP Address, Primary DNS, and/or Secondary DNS. These information will provided by your ISP and normally happens when using Cable connection.
- Once complete the setting of this step, your L600N should be ready to connect to the internet via wired connection.

QUICK SETUP GUIDE

Wireless Connecting Guide

Wireless Setup

- Basic Setup
- Guest Network
- WPS Setup
- Advanced Setup

1. Wireless Setup

- Click on **Wireless Setup** then **Basic Setup**
- At Wireless Basic Settings, you can select below as you desired.
 - Adapter: 2.4G / 5G**
 - Region:** Default is **United States**, but you can adjust the Region based on your location

Wireless Basic Settings

Region Selection	
Adapter :	2.4G
Region :	United States
Wireless Network	
<input checked="" type="checkbox"/> Enable Wireless Router Radio	
<input checked="" type="checkbox"/> Enable SSID Broadcast	
<input type="checkbox"/> Enable Wireless Isolation	
Wireless Network Name :	RW-2.4G-001
Mode :	802.11b/g/n
Channel :	Auto
Band Width :	40M
Max Transmission Rate :	Auto Mbps
Security Options	
Security Options :	None
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

2. Wireless Network

- Enable Wireless Router Radio:** This is turning on/off the wireless signal
- Enable SSID Broadcast:** This is to make your SSID invisible. (Once uncheck this, You will need to enter your SSID manually when connecting to your Wireless Signal)
- Enable Wireless isolation:** This setting is to turn off the communication among different clients, but they can still access Internet.

QUICK SETUP GUIDE

Wireless Connecting Guide

Wireless Basic Settings

Region Selection

Adapter : 2.4G

Region : United States

Wireless Network

Enable Wireless Router Radio

Enable SSID Broadcast

Enable Wireless Isolation

Wireless Network Name : RW-2.4G-001

Mode : 802.11b/g/n

Channel: Auto

Band Width : 40M

Max Transmission Rate : Auto Mbps

Security Options

Security Options : None

Apply Cancel

2. Wireless Network

- **Wireless Network Name:** This is SSID. You can set this to your desired name.
- **Mode:**
 - 2.4G supports the following mode: 802.11b, 802.11b/g, 802.11b/g/n.
 - 5G supports the following mode: 802.11a, 802.11a/n
 - To fully utilize your L600N, we suggest **2.4G** with **802.11b/g/n**; **5G** with **802.11a/n**.
- **Channel:** Set **Auto** if you are not sure what is the best channel to avoid neighbors' signal interference. System will pick for you.
- **Bandwidth:**
 - For **20M**, the maximum rate is 130 Mbps (150 Mbps in short preamble);
 - For **40M** bandwidth, the maximum rate is 270 Mbps (300 Mbps in short preamble).
- **Max Transmission Rate:** Select one from the drop-down list that displays all rates that the system supports. Or set at **Auto** for system to adjust the best transmitting rates for you.

QUICK SETUP GUIDE

Wireless Connecting Guide

Wireless Basic Settings

Region Selection

Adapter : 2.4G

Region : United States

Wireless Network

Enable Wireless Router Radio

Enable SSID Broadcast

Enable Wireless Isolation

Wireless Network Name : RW-2.4G-001

Mode : 802.11b/g/n

Channel: Auto

Band Width : 40M

Max Transmission Rate : Auto Mbps

Security Options

Security Options : None

Apply Cancel

3. Security Options

- **Security Options:** L600N supports 4 wireless security encryption modes. WEP, WPA-PSK (TKIP), WPA2-PSK (AES), WPA-PSK (TKIP) + WPA2-PSK (AES). We recommend selecting **WPA-PSK (TKIP) + WPA2-PSK (AES)** unless otherwise desired.

4. Complete Setting

- Once finish setting, click **Apply** to save and complete your setting

CONFIGURATION GUIDE

Web Management Guide

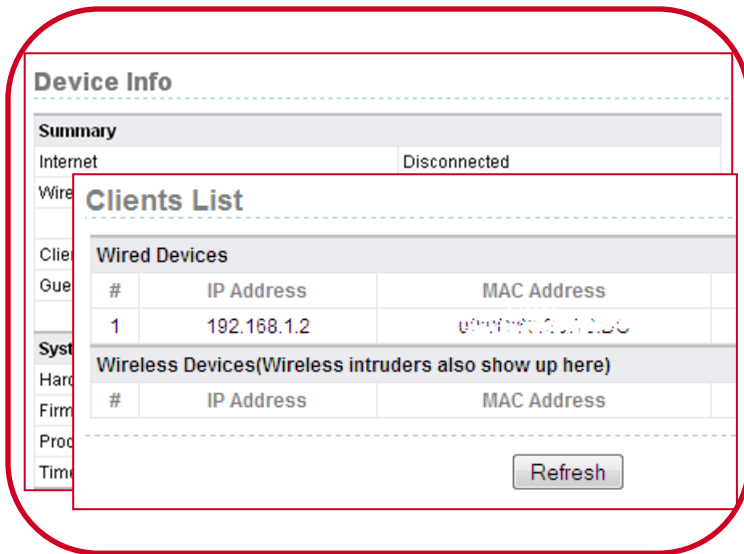
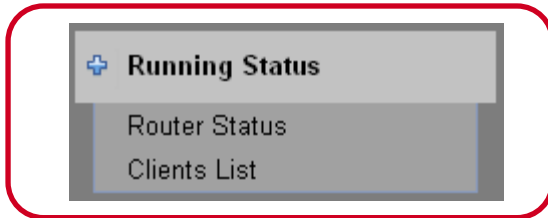
⇒ Setup Wizard
+ Running Status
+ Network Setup
+ Wireless Setup
+ Forwarding
+ Access Control
⇒ Dynamic DNS
⇒ Static Routes
⇒ E-mail Setup
+ Security Options
⇒ Multicast Control
+ Storage Setup
+ System Tools
Logout

Web Management Detail: 14 main functions on the left of the Web-based utility.

- **Setup Wizard:** A step by step setup on L600N
- **Running Status:** Detail router status and client list
- **Network Setup:** Allows you to set up LAN/WAN details
- **Wireless Setup:** Wireless Setup, SSID, WPS, Guest Network, and Advance management
- **Forwarding:** UPnP, Port Forwarding, and Port Triggering
- **Access Control:** Site/Service Block Management, QoS Setup
- **Dynamic DNS:** Outside DNS Management
- **Static Routes:** Setup Routing manually, advanced information of network require
- **E-Mail Setup:** E-mail Notification Setup
- **Security Options:** Remote Management and WAN Security (Firewall)
- **Multicast Control:** Function supports for Layer 2 & above switch
- **Storage Setup:** Allows managing USB drives and setup FTP/Samba
- **System Tools:** System related function setup
- **Logout:** Logout of the web management

CONFIGURATION GUIDE

Running Status



Running Status: You can review the device information and current clients list here

- **Router Status:** Provides detail router status on Summary, System Information, Connection status of the Internet port (Modem port), LAN port, and Wireless Port (2.4G and 5G), and traffic statistics of each port.
- **Client list:** Displays information of computers connected to the router, including the IP address, the device name, and the MAC address of each computer.

CONFIGURATION GUIDE

Running Status – Router Status

Device Info

Summary	
Internet	Disconnected
Wireless	2.4GHz SSID:RW-2.4G-001
	5GHz SSID:RW-5G-001
Client Devices	Number of Device:1
Guest Network	Status:Disabled
	0 of Guest Network enabled
System Info	
Hardware Version	V1.0.0
Firmware Version	V1.0.0
Product Name	L600N
Time and Date	2012-01-01 08:36:44

1. Router Status: Provides detail router status on Summary, System Information, Connection status of the Internet port (Modem port), LAN port, and Wireless Port (2.4G and 5G), and traffic statistics of each port.

- **Summary:** Information on L600N's connection Status
 - **Internet:** Whether Connected / Disconnected
 - **Wireless:** shows 2.4GHz's SSID name and 5GHz's SSID name
 - **Client Devices:** how many client devices connected to L600N (both wired and wireless)
 - **Guest Network:**
 - **Status:** Whether Enabled / Disabled
 - **Guest Network enabled:** how many Guest Network has been enabled.
- **System Info:** Information on Hardware version , Firmware version, model name, and system time.

CONFIGURATION GUIDE

Running Status – Router Status

Internet Port	
MAC Address	00:11:22:EE:33:34
Internet Access Mode	Disconnected(DHCP)
IP address	0.0.0.0
IP Subnet mask	0.0.0.0
Default Gateway	0.0.0.0
Domain Name Server	0.0.0.0
LAN Port	
MAC Address	00:11:22:EE:33:33
IP Address	192.168.1.1
IP Subnet Mask	255.255.255.0

- **Internet Port:**
 - **MAC Address:** The physical address of the router, as seen from the Internet.
 - **IP Address:** The current Internet IP address. If assigned dynamically, and no Internet connection exists, this will be blank or 0.0.0.0.
 - **Internet Access Mode:** Indicate DHCP, PPPoE or Fixed IP.
 - **IP Subnet Mask:** The subnet mask associated with the Internet IP address.
 - **Domain Name Server:** Displays the address of the current DNS.
- **LAN Port:**
 - **MAC Address.** The physical address of the router, as seen from the LAN.
 - **IP Address.** The LAN IP address of the router.
 - **IP Subnet Mask.** The subnet mask associated with the LAN IP address. DHCP. Indicates if the router is acting as a DHCP server for devices on your LAN

CONFIGURATION GUIDE

Running Status – Router Status

Wireless Port(2.4G)	
Wireless Network Name (SSID)	RW-2.4G-001
Region	United States
Wireless Channel	Auto
802.11 Mode	Mixed 802.11b/g/n
Wireless Radio	Enabled
Enable SSID Broadcast	ON
Enable Wireless Isolation	OFF
Wi-Fi Protected Setup	ON
Wireless Security Mode	None
Wireless Port(5G)	
Wireless Network Name (SSID)	RW-5G-001
Region	United States
Wireless Channel	Auto
802.11 Mode	Mixed 802.11a/n
Wireless Radio	Enabled
Enable SSID Broadcast	ON
Enable Wireless Isolation	OFF
Wi-Fi Protected Setup	ON
Wireless Security Mode	None

[Show Statistics](#)
[Connection Status](#)

- **Wireless Port (2.4G) / Wireless Port (5G):**
 - **Wireless Network Name (SSID):** SSID name of the Signal
 - **Region:** The location (country).
 - **Wireless Channel:** The current channel in use.
 - **802.11 Mode:** Indicates the current mode (802.11b, 802.11g and 802.11b/g/n).
 - **Wireless Radio:** Indicates if the access point feature of the router is enabled or not. If not enabled, the Wireless LED on the front panel is off.
 - **Enable SSID Broadcast:** Indicates if the router is broadcasting its SSID.
 - **Enable Wireless Isolation:** Indicates if wireless isolation is enabled.
 - **Wi-Fi Protected Setup:** Indicates if the router's wireless settings are configured.
 - **Wireless Security Mode:** Indicates the Wireless Security Mode of your L600N's current setting

CONFIGURATION GUIDE

Running Status – Router Status

Show Statistics Connection Status

Statistic Information

Port	Status	TxPkts	RxPkts	Collisions	Tx B/s	Rx B/s
WAN	NoLink	8	0	0	948	0
LAN 1	Up	1242	1013	0	953954	125918
LAN 2	NoLink	132	0	0	20918	0
LAN 3	NoLink	132	0	0	20918	0
LAN 4	NoLink	132	0	0	20918	0
WLAN	Auto	125	0	0	18087	0

System Up Time 00:57:53

Poll Interval

5 (1-99999) Set Interval Stop

Connection Status

IP Address	0.0.0.0
Subnet Mask	0.0.0.0
Default Gateway	0.0.0.0
DHCP Server	0.0.0.0
DNS Server	0.0.0.0
Lease Obtained	0Day,0Hour,0Minute
Lease Expires	0Day,0Hour,0Minute

Release Renew

Close Window

- Statistic Information:**

- Displays the performance statistics information of the router, including the number of sent and received packets at each port.

- Connection Status:**

- Displays the information of current connection on the router.

CONFIGURATION GUIDE

Running Status – Client List

Clients List

Wired Devices

#	IP Address	MAC Address	Device Name
1	192.168.1.2	000F87000000	ROSEWILL

Wireless Devices(Wireless intruders also show up here)

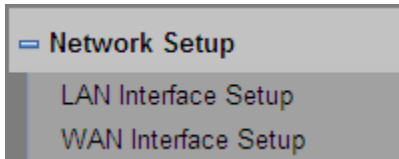
#	IP Address	MAC Address	Device Name
---	------------	-------------	-------------

Refresh

2. Client List: This page displays information of computers connected to the router, including the IP address, the device name, and the MAC address of each computer.

CONFIGURATION GUIDE

Network Setup



LAN Interface Settings

LAN TCP/IP Setup

IP Address: 192.168.1.1

IP Subnet Mask: 255.255.255.0

RIP Direction: Both

RIP Version: Disabled

Use Router as DHCP Server

Starting IP Address: 192.168.1.2

Ending IP Address: 192.168.1.254

DHCP Lease Time(1 - 160 hours): 24

Address Reservation

#	IP Address	Device Name	MAC Address

Add Edit Delete

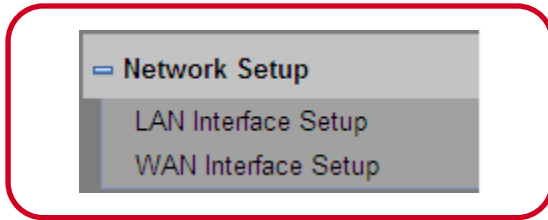
Apply Cancel

Network Setup: You can the Internal Network (LAN) and External Network (WAN) settings.

- **LAN Interface Setup:** you can configure the IP address of the LAN port according to the actual network environment.
- **WAN Interface Setup:** The router supports 5 modes of external connection, including **Dynamic IP (DHCP)**, **Static IP (Fixed)**, **PPPoE**, **PPTP**, and **L2TP**. You may need to confirm with your ISP before selecting your connecting modes.

CONFIGURATION GUIDE

Network Setup – LAN Interface Setup



A screenshot of the 'WAN Interface Settings' page. A red rounded rectangle highlights the entire page. The page title is 'WAN Interface Settings'. It contains several sections:

- 'Does your Internet Connection Require A Login?' with radio buttons for 'Yes' and 'No' (selected).
- 'Account Name (If Required)' and 'Hostname' input fields.
- 'Internet IP Address' section with radio buttons for 'Get Dynamically From ISP' (selected) and 'Use Static IP Address'.
- Below 'Use Static IP Address', there are input fields for 'IP Address', 'IP Subnet Mask', and 'Gateway IP Address', each with four boxes for digits.
- 'Domain Name Server (DNS) Address' section with radio buttons for 'Get Automatically From ISP' (selected) and 'Use These DNS Servers'.
- Below 'Use These DNS Servers', there is an input field for 'Primary DNS' with four boxes for digits.

1. **LAN Interface Setup:** Setting up your internal network environment.

- **LAN TCP/IP Setup:**

- **IP Address:** Set the IP address that an LAN user uses to access the router. The default IP is 192.168.1.1. You can change it if necessary.
- **IP Subnet Mask:** Subnet mask of the LAN port. You can enter a different subnet mask according to the actual network status.
- **RIP Direction:** The modes in which the router sends and receives RIP packets.
 - Recommend setting: **Both**
 - RIP supports Small to Mid-size Network Environment.
If no special requirement, please keep default setting
- **RIP Version:** The format of the RIP packets and broadcast mode that the router sends them.
- **Use Router as DHCP Server:** The router serves as the DHCP server and automatically assigns IP addresses for all connected clients.

CONFIGURATION GUIDE

Network Setup – LAN Interface Setup

LAN Interface Settings

LAN TCP/IP Setup

IP Address	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="1"/> . <input type="text" value="1"/>
IP Subnet Mask	<input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/>
RIP Direction	<input type="text" value="Both"/>
RIP Version	<input type="text" value="Disable"/>

Use Router as DHCP Server

Starting IP Address	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="1"/> . <input type="text" value="2"/>
Ending IP Address	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="1"/> . <input type="text" value="254"/>
DHCP Lease Time(1 - 160 hours)	<input type="text" value="24"/>

Address Reservation

#	IP Address	Device Name	MAC Address
---	------------	-------------	-------------

- **Address Reservation:** This function will assign a fix IP for connected devices based on their MAC Address. This will be particular useful when combine with **Access Control**.

CONFIGURATION GUIDE

Network Setup – WAN Interface Setup

WAN Interface Settings

Does your Internet Connection Require A Login? Yes No

Account Name (If Required)

Internet IP Address

Get Dynamically From ISP

Use Static IP Address

IP Address

IP Subnet Mask

Gateway IP Address

Domain Name Server (DNS) Address

Get Automatically From ISP

Use These DNS Servers

Primary DNS

Secondary DNS

Router MAC Address

Use Default Address

Use Computer MAC Address

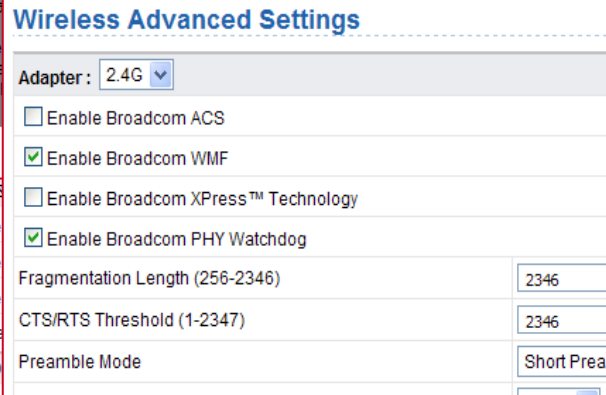
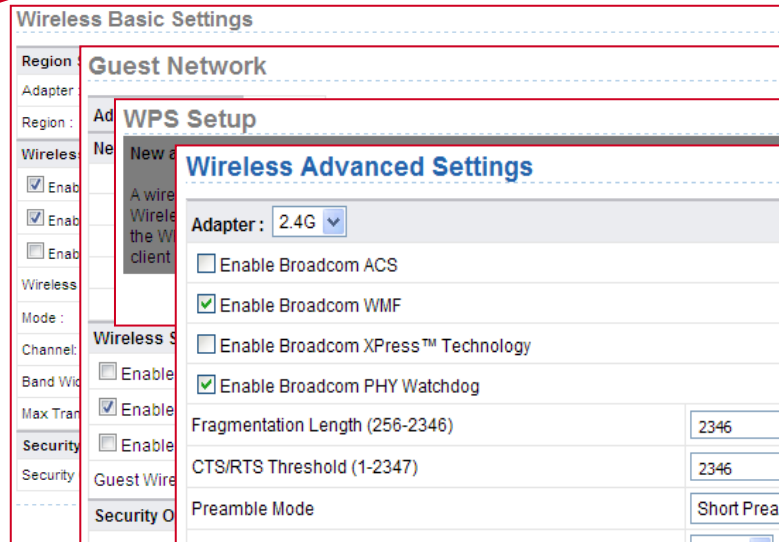
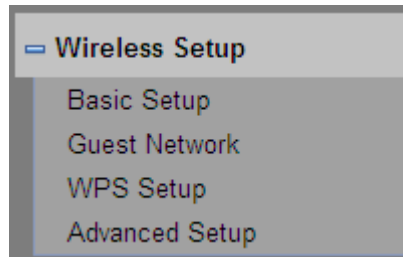
Use This MAC Address

2. WAN Interface Settings: The router supports 5 modes of WAN connection, including **Dynamic IP (DHCP)**, **Static IP (Fixed)**, **PPPoE**, **PPTP**, and **L2TP**. You may need to confirm with your ISP before selecting your connecting modes.

- **Dynamic IP (DHCP):** L600N automatically obtains IP address, subnet mask, and IP address of the gateway from the ISP.
- **Static IP (Fixed):** Select this If the ISP provides the IP address, subnet mask, and information about the gateway and DNS server. You may need to obtain the information from your ISP.
- **PPPoE:** Select this If your ISP provides dialup for user name and password. DSL connection usually falls under here.
- **PPTP:** This is a method for implementing virtual private networks. You will also need User Name and Password for this mode. Most VPN connection falls here.
- **L2TP:** This is a method for implementing virtual private networks. You will also need User Name and Password for this mode. Most VPN connection falls here.

CONFIGURATION GUIDE

Wireless Setup



Wireless Setup: You can set wireless configuration here

- **Basic Setup:** You can set basic wireless configurations here
- **Guest Network:** You can enable or disable the 4x Guest Network for 2.4GHz and 3x Guest Network for 5GHz here, while setting encryption for each of the guest network.
- **WPS Setup:** You can use the WPS setup function to add a wireless client to a network without setting SSID, security mode, and password. To use this function, a wireless client must support WPS. If the wireless client does not support WPS, you must manually configure so it has the same SSID and wireless security settings as the router.
- **Advanced Setup:** The advanced setup enable the configuration of L600N.

CONFIGURATION GUIDE

Wireless Setup – Basic Setup

Wireless Basic Settings

Region Selection	
Adapter :	2.4G
Region :	United States

Wireless Network	
<input checked="" type="checkbox"/> Enable Wireless Router Radio	
<input checked="" type="checkbox"/> Enable SSID Broadcast	
<input type="checkbox"/> Enable Wireless Isolation	
Wireless Network Name :	RW-2.4G-001
Mode :	802.11b/g/n
Channel:	Auto
Band Width :	40M
Max Transmission Rate :	Auto Mbps

Security Options	
Security Options :	None

Apply Cancel

1. Basic Setup: At Wireless Basic Settings, you can select to edit your wireless signal.

- **Region Selection:**
 - **Adapter: 2.4G / 5G**
 - **Region:** Default is **United States**, but you can adjust the Region based on your location
- **Wireless Network**
 - **Enable Wireless Router Radio:** This is turning on/off the wireless signal
 - **Enable SSID Broadcast:** This is to make your SSID invisible. (Once uncheck this, You will need to enter your SSID manually when connecting to your Wireless Signal)
 - **Enable Wireless isolation:** This setting is to turn off the communication among different clients, but they can still access Internet.

CONFIGURATION GUIDE

Wireless Setup – Basic Setup

Wireless Basic Settings

Region Selection

Adapter : 2.4G

Region : United States

Wireless Network

Enable Wireless Router Radio

Enable SSID Broadcast

Enable Wireless Isolation

Wireless Network Name : RW-2.4G-001

Mode : 802.11b/g/n

Channel: Auto

Band Width : 40M

Max Transmission Rate : Auto Mbps

Security Options

Security Options : None

Apply Cancel

- **Wireless Network**

- **Wireless Network Name:** This is SSID. You can set this to your desired name.
- **Mode:**
 - **2.4G** supports the following mode: **802.11b, 802.11b/g, 802.11b/g/n.**
 - **5G** supports the following mode: **802.11a, 802.11a/n**
 - To fully utilize your L600N, we suggest **2.4G** with **802.11b/g/n**; **5G** with **802.11a/n**.
- **Channel:** Set **Auto** if you are not sure what is the best channel to avoid neighbors' signal interference. System will pick for you.
- **Bandwidth:**
 - For **20M**, the maximum rate is 130 Mbps (150 Mbps in short preamble);
 - For **40M** bandwidth, the maximum rate is 270 Mbps (300 Mbps in short preamble).
- **Max Transmission Rate:** Select one from the drop-down list that displays all rates that the system supports. Or set at **Auto** for system to adjust the best transmitting rates for you.

CONFIGURATION GUIDE

Wireless Setup – Basic Setup

Wireless Basic Settings

Region Selection

Adapter : 2.4G

Region : United States

Wireless Network

Enable Wireless Router Radio

Enable SSID Broadcast

Enable Wireless Isolation

Wireless Network Name : RW-2.4G-001

Mode : 802.11b/g/n

Channel: Auto

Band Width : 40M

Max Transmission Rate : Auto Mbps

Security Options

Security Options : None

Apply Cancel

- **Security Options**
 - **Security Options:** L600N supports 4 wireless security encryption modes. **WEP, WPA-PSK (TKIP), WPA2-PSK (AES), WPA-PSK (TKIP) + WPA2-PSK (AES)**. We recommend selecting **WPA-PSK (TKIP) + WPA2-PSK (AES)** unless otherwise desired.
- **Complete Setting**
 - Once finish setting, click **Apply** to save and complete your setting

CONFIGURATION GUIDE

Wireless Setup – Guest Network

Guest Network

Adapter: 2.4G

Network Profiles					
	Profile	SSID	Security	Enable Guest Network	Enable SSID Broadcast
<input checked="" type="radio"/>	1	RW-2.4G-002	None	NO	YES
<input type="radio"/>	2	RW-2.4G-003	None	NO	YES
<input type="radio"/>	3	RW-2.4G-004	None	NO	YES
<input type="radio"/>	4	RW-2.4G-005	None	NO	YES

Wireless Settings--Profile 1

Enable Guest Network

Enable SSID Broadcast

Enable Wireless Isolation

Guest Wireless Network Name(SSID): RW-2.4G-002

Security Options--Profile 1

Security Options : None

Apply Cancel

2. Guest Network:

- **Adapter:** 2.4G / 5G
- **Network Profiles:** A brief information status of your Guest Network.
- **Enable Guest Network:** Enable or disable Guest Network per Profile.
- **Enable SSID Broadcast:** Enable or disable SSID Broadcast per Profile. If disable, you will need to manually enter the SSID to connect.
- **Enable Wireless Isolation:** Enable or disable Wireless Isolation per Profile. If enable, the connected clients under guest network will not be able to communication to each other.
- **Guest Wireless Network Name (SSID):** You can edit the Guest Network's SSID here.
- **Security Options:** You can select different security modes for each Guest Network Profile.

CONFIGURATION GUIDE

Wireless Setup – WPS Setup

WPS Setup

New and easy way to connect to the Wireless Router via WiFi Protected setup (WPS)

A wireless client has to support WPS function in order to use this wizard to add the client to your WPS enabled Wireless Router. Please check the user manual and gift box of your wireless client to see whether it supports the WPS function. If your wireless client does not support the WPS function, you have to configure your wireless client manually so it has the same SSID and wireless security settings as on this router.

Next

WPS Setup

WPS Settings

Router's PIN: 56281965

Enable WPS Disable Router's PIN Keep Existing Wireless Settings

Add WPS Client

Start PBC Push Button (recommended)

You can either press the Push Button physically on the router or press the Button below (soft Push Button).

Start PIN PIN (Personal Identification Number)

3. WPS Setup: You can use the WPS setup function to add a wireless client to a network without setting SSID, security mode, and password.

- **WPS Settings:**

- **Router's PIN:** This is the PIN you use when your adapter does not support Push Button mode (PBC).
- **Enable WPS:** Enable or disable WPS function.
- **Disable Router's PIN:** By disable the PIN, others won't be able to connect to your router by entering the PIN.
- **Keep Existing Wireless Settings:** Enable or disable keeping the existing Wireless Settings.

- **Add WPS Client:** You can select the methods of adding WPS Clients.

- **Start PBC:** Using PBC method to connect. You will need to press WPS button on the adapter as well.
- **Start PIN:** Using PIN method to connect

CONFIGURATION GUIDE

Wireless Setup – Advanced Setup

Wireless Advanced Settings

Adapter: 2.4G

Enable Broadcom ACS

Enable Broadcom WMF

Enable Broadcom XPress™ Technology

Enable Broadcom PHY Watchdog

Fragmentation Length (256-2346)

CTS/RTS Threshold (1-2347)

Preamble Mode Short Preamble

Transmit Power Control 100%

Wireless Card Access List

Setup Access List

Apply Cancel

4. Wireless Advanced Settings: Wireless Advanced Settings allows you to set advanced wireless configuration. (If you are not sure what they are, please keep default settings)

- **Adapter:** 2.4G / 5G
- **Enable Broadcom ACS:** Broadcom ACS will allow the best bandwidth and channel can be selected dynamically.
- **Enable Broadcom WMF:** When Broadcom WMF is enabled, better wireless multicast can be provided. This feature is enable by default.
- **Enable Broadcom XPress™ Technology:** This enables the Broadcom STA connection to have better wireless performance. The function is disabled by default.
- **Enable Broadcom PHY Watchdog:** If the function is enabled, calibration is performed periodically to make parameters such as the output power more precise.
- **Fragmentation Length (256-2346):** This is to set the transferred packet size. If the length was set too small, your network may be overloaded. Default at 2346.

CONFIGURATION GUIDE

Wireless Setup – Advanced Setup

Wireless Advanced Settings

Adapter: 2.4G

Enable Broadcom ACS

Enable Broadcom WMF

Enable Broadcom XPress™ Technology

Enable Broadcom PHY Watchdog

Fragmentation Length (256-2346)

CTS/RTS Threshold (1-2347)

Preamble Mode

Transmit Power Control

Wireless Card Access List

4. Wireless Advanced Settings: Wireless Advanced Settings allows you to set advanced wireless configuration. (If you are not sure what they are, please keep default settings)

- **CTS/RTS Threshold (1-2347):** If the length of a packet is greater than this value here, the router sends an RTS frame to the destination station to negotiate. After receiving the RTS frame, the wireless station responds with a Clear to Send (CTS) frame to the router, indicating that they can communicate with each other. The default value is 2346
- **Preamble Mode:** If your Network environment will be heavy loaded, you should set at **Short Preamble**. Short preamble is mainly used to improve the efficiency of a wireless network for applications that have high requirement of real-time, such as streaming video and VoIP.
- **Transmit Power Control:** Set the transmit power of the router. The default is **100%**.

CONFIGURATION GUIDE

Wireless Setup – Advanced Setup

Wireless Card Access List

Turn Access Control On

Device Name	Mac Address

Add Edit Delete

Apply Cancel

Wireless Card Access Setup

Available Wireless Cards

Device Name	Mac Address
<input type="radio"/> unknown	00:1D:0F:19:72:F0

Wireless Card Entry(Max of terms:16)

Device Name

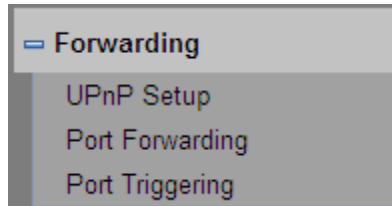
Mac Address

Add Cancel Refresh

- **Wireless Card Access List:** You will be able to set which wireless clients can connect to L600N. It is controlled via MAC address of the wireless clients. (This function does not work on wireless guest Network)

CONFIGURATION GUIDE

Forwarding



UPnP

Turn UPnP On

Broadcast Period(in minutes)

Broadcast Time To Live(in hops)

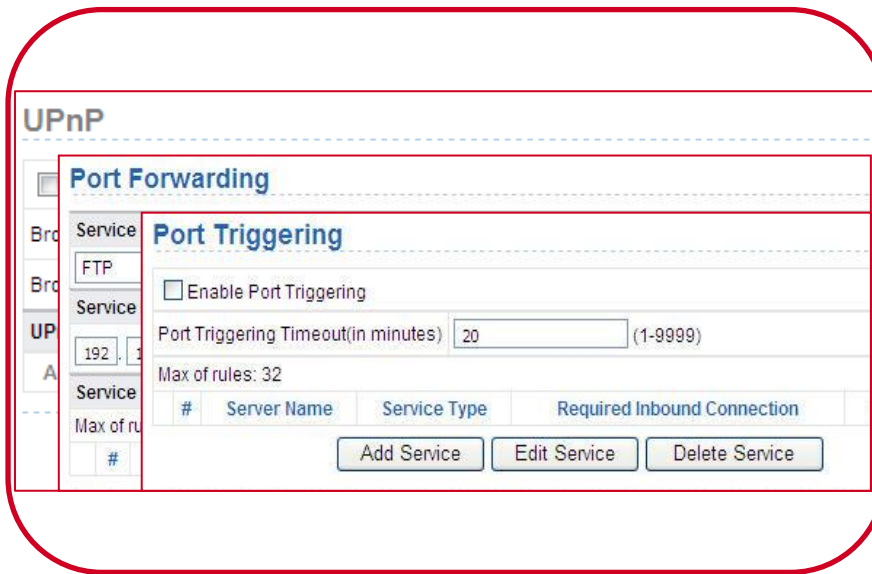
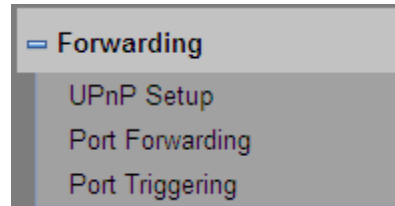
UPnP Portable Table					
Active	Protocol	Int. Port	Ext. Port	IP Address	Description

Forwarding: This function allows you to tell the router that which IP within your network can communicate with outside Network.

- **UPnP Setup:** UPnP can allow your UPnP Enabled devices automatically discover the services from other registered UPnP devices on the network.
- **Port Forwarding:** Port Forwarding will allow your router knowing what network data to the assigned port. Or you can utilize the preloaded service such as FTP to your FTP server.
- **Port Triggering:** Port Triggering is similar to Port Forwarding, but it can turn on / off by the time you set which provides more security than port forwarding.

CONFIGURATION GUIDE

Forwarding - UPnP



1. UPnP Setup: UPnP can allow your UPnP Enabled devices automatically discover the services from other registered UPnP devices on the network.

- **Turn UPnP On:** Enable or disable UPnP.
- **Broadcast Period (in minutes):** Set the broadcast interval. It indicates the interval for broadcasting the UPnP information by the router. The value should be in the range of 1 to 1440 minutes and the default is 30 minutes.
- **Broadcast Time To live (in hops):** The time for the broadcast to live. It is the number of hops after each UPnP packet is sent. The number of hops is the times that each packet can be broadcast before it vanishes. The value should be in the range of 1 to 255 hops and the default is 4 hops.
- **UPnP Portable Table:** This table shows the IP addresses of UPnP devices that are connected to the router and open (internal and external) ports on the devices. It also lists the types and status of the open ports.

CONFIGURATION GUIDE

Forwarding – Port Forwarding

Port Forwarding

Service Name

FTP

Service IP Address

192 . 168 . 1 .

Service List

Max of rules: 32

#	Server Name	Start Port	End Port	Server IP Address

2. Port Forwarding: Port Forwarding will allow your router knowing what network data to the assigned port.

- **Service Name:** Select a service type from the drop-down list.
- **Service IP Address:** Enter the IP address of the computer on which the service is to be provided.
- **Service List:** Display the information of configured services, including the service name, start port, end port, and server IP address.
- **Add Custom Service:** If the list does not contain your desired service, click the button to add a service.

Ports - Custom Service

Service Name:

Protocol: TCP

Starting Port: (1~65535)

Ending Port: (1~65535)

Server IP Address: . . .

CONFIGURATION GUIDE

Forwarding – Port Triggering

Port Triggering

Enable Port Triggering

Port Triggering Timeout(in minutes) (1-9999)

Max of rules: 32

#	Server Name	Service Type	Required Inbound Connection	Service User
<input type="button" value="Add Service"/> <input type="button" value="Edit Service"/> <input type="button" value="Delete Service"/>				

Port Triggering - Services

Service Name

Service User

Service Type

Triggering Starting Port (1~65535)

Triggering Ending Port (1~65535)

Required Inbound Connection

Connection Type

Starting Port (1~65535)

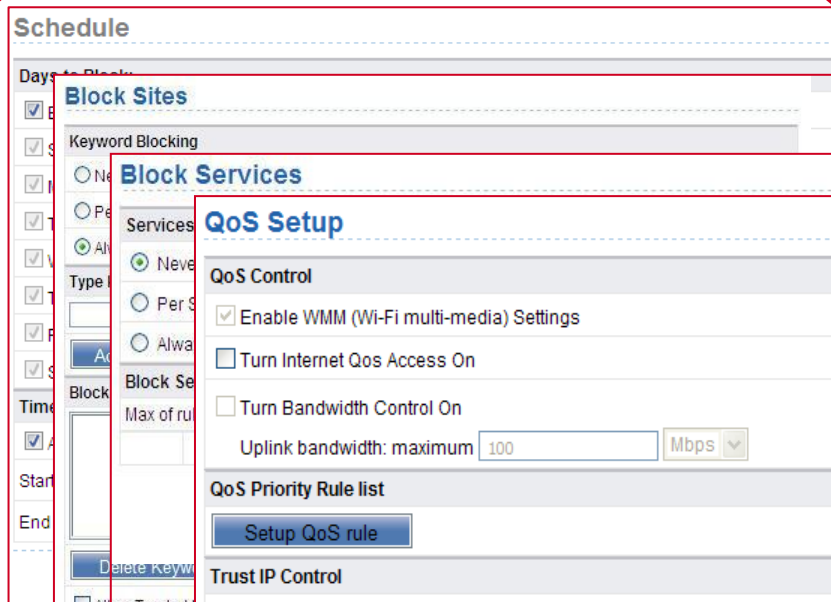
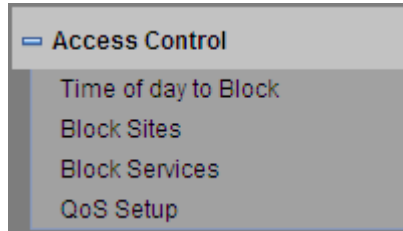
Ending Port (1~65535)

3. Port Triggering: Port Triggering is similar to Port Forwarding, but it can turn on / off by the time you set which provides more security than port forwarding.

- **Enable Port Triggering:** Enable or disable port triggering.
- **Port Triggering Timeout (in minutes):** Enter a value not greater than 9999. The timeout value controls the inactive timer at the specified ingress port. Upon timeout of the inactive timer, the ingress port is disabled.
- **Service List:** Display the table of configured for Port Triggering services, including the service name, service user, service type, Triggering starting port, triggering ending port, connection type, start port, and end port.

CONFIGURATION GUIDE

Access Control



Access Control: This function allows you to tell the router that which IP within your network can communicate with outside Network.

- **Time of day to Block:** You can manage your L600N's access schedule weekly or by selecting time everyday.
- **Block Sites:** You can select key word or whole website address to block.
- **Block Services:** You can select varies internet service to block.
- **QoS Setup:** QoS (Bandwidth Management) allows you to set priorities in internet access depending on the programs.

CONFIGURATION GUIDE

Access Control – Time of Day to Block

Schedule

Days to Block:

<input checked="" type="checkbox"/>	Every Day
<input checked="" type="checkbox"/>	Sunday
<input checked="" type="checkbox"/>	Monday
<input checked="" type="checkbox"/>	Tuesday
<input checked="" type="checkbox"/>	Wednesday
<input checked="" type="checkbox"/>	Thursday
<input checked="" type="checkbox"/>	Friday
<input checked="" type="checkbox"/>	Saturday

Time of day to Block:(use 24-hour clock)

<input checked="" type="checkbox"/>	All Day
Start Blocking	<input type="text" value="00"/> Hour <input type="text" value="00"/> Minute
End Blocking	<input type="text" value="23"/> Hour <input type="text" value="59"/> Minute

1. Time of day to Block : You can tell L600N which day and what time to block different access. (in combination use with **Block Sites** and **Block Services**.)

- **Days to Block:** You can select one day, or multiple days in a week.
- **Time of Day to Block:** This option allows you to set whole day or start time to end time. The time setup here applies to the days you select above and can not define individually.

CONFIGURATION GUIDE

Access Control – Block Sites

Block Sites

Keyword Blocking

Never
 Per Schedule
 Always

Type Keyword or Domain Name Here.

Block Sites Containing these Keywords or Domain Names(Max of terms: 32) :

Allow Trusted IP Address To Visit Blocked Sites

Trusted IP Address

192 168 1

2. Block Sites: Using keywords you can block with offended words or enter the website address you can block the site.

- **Keyword Blocking:** You can select **Never**, **Per Schedule**, or **Always**.
- **Type Keyword or Domain Name Here:** This function allows you to enter certain keywords and/or Website address to block unwanted sites up to 32 terms.
- **Block Sites Containing these Keywords or Domain Names:** Here you can view your inputs
- **Allow Trusted IP Address to Visit Blocked Sites:** Enable / Disable
- **Trusted IP Address:** You can enter 1 IP address as your trusted IP to visit without access control. (You can combine with **LAN Interface Setup's Address Reservation** under **Network Setup** to "fix" the IP with the MAC address of your trusted Computer.)

CONFIGURATION GUIDE

Access Control – Block Services

Block Services

Services Blocking

Never
 Per Schedule
 Always

Block Service Rules Table

Max of rules: 32

#	Service Name	Port	IP
<input type="button" value="Add"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>			
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>			

Block Services Setup

Service Type:

Protocol:

Starting Port: (1~65535)

Ending Port: (1~65535)

Service Type/User Defined:

Filter Service For:

Only This IP Address:

IP Address Range:

to

All IP Address:

3. Block Service: Allows you to block certain Internet service by specific users on your local network based on their IP address.

- **Service Blocking:** You can select **Never**, **Per Schedule**, or **Always**.
- **Block Service Rules Table:** This table allows you to add the networking service type to block while able to control IP range in the blocking selection.
 - **Service Type:** Select a service type from the drop-down list. For services that exist in the drop-down list, the corresponding information is already preset. If your desired type is not here, select **User defined**. You need to select the protocol, enter the service name, and specify the port range.
 - **Protocol:** The protocol that is used at service ports. You can select **TCP/UDP**, **TCP**, or **UDP**.
 - **Starting Port / Ending Port:** You can enter the starting port and ending port for this service.
 - **Filter Service For:** It determines the computers to be blocked.

CONFIGURATION GUIDE

Access Control – QoS Setup

QoS Setup

QoS Control

Enable WMM (Wi-Fi multi-media) Settings

Turn Internet QoS Access On

Turn Bandwidth Control On

Uplink bandwidth: maximum Mbps

QoS Priority Rule list

Trust IP Control

Enable Trusted IP Address

Trusted IP Address

4. QoS Setup: QoS function sets priority policies on applications, online games, Ethernet LAN ports, and MAC addresses, sets an order for various network traffics, and thus optimizes your network performance.

- **QoS Control:** You can enable QoS control to run the traffic management policies here.
 - **Enable WMM (Wi-Fi multi-media) Settings:** Enable or disable WMM. Wireless Multimedia (WMM) supports setting priorities of wireless traffics according to data types within a certain range, such as audio and video has higher priority than normal data. WMM is enable by default to ensure the quality of wireless connection.
 - **Turn Internet QoS Access On:** Enable or disable QoS. After it is enabled, you can optimize the network access traffics according to the settings in the **QoS Priority Rule List**.

CONFIGURATION GUIDE

Access Control – QoS Setup

QoS Priority Rule list

[Setup QoS rule](#)

Trust IP Control

Enable Trusted IP Address

Trusted IP Address:

[Apply](#) [Cancel](#)

QoS Setup

#	QoS Policy	Priority	Description

[Edit](#) [Delete](#)

[Add Priority Rule](#)

[Apply](#) [Cancel](#)

QoS - Priority Rules

Priority

QoS Policy For:

Priority Category:

Applications:

Priority:

Specified Port Range

Connection Type:

Starting Port: (1 - 65535)

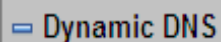
Ending Port: (1 - 65535)

[Apply](#) [Cancel](#)

- **QoS Priority Rule List:** QoS function sets priority policies on applications, online games, Ethernet LAN ports, and MAC addresses to optimize your network performance.
- **QoS Setup:** Click **Add Priority Rule** to add QoS policies.
- **QoS – Priority Rules:**
 - **QoS Policy For:** Enter the name of the QoS policy.
 - **Priority Category:** You can select **Applications, On-line Gaming, Ethernet LAN Port, and MAC Address**.
 - Depending on which Category you select. If you want to add Applications and On-line Gaming. You will need to identify the **Connection type** and **Specific Port Range** for the router. (Specific information can be obtained from the software providers.)

CONFIGURATION GUIDE

Dynamic DNS

A grey rectangular button with a small blue minus sign on the left and the text "Dynamic DNS" in black.

Dynamic DNS

Use a Dynamic DNS Service

Service Provider

Host Name

User Name

Password

Apply

Cancel

Dynamic DNS: Dynamic DNS is a service linking with outside Dynamic DNS service provider to keep track of a web domain name or web address linked to the changing IP address that your ISP provides you. If you want to use a DDNS service, you need to register for it.

- **Use a Dynamic DNS Service:** enable / disable
- **Service Provider:** You can manually enter the Service provider's web address. (Please check with your Dynamic DNS provider)
- **Host Name:** This is for entering the host name that your Dynamic DNS provider give to you.
- **User Name:** This is for entering the user name that you registered with the Dynamic DNS provider.
- **Password:** This is for entering the password that your Dynamic DNS provider gives to you.

CONFIGURATION GUIDE

Static Route

Static Routes

Static Routes

Max of rules: 32

#	Active	Name	Destination	Gateway
---	--------	------	-------------	---------

Add Edit Delete

Static Routes

Active	<input type="checkbox"/>
Route Name	<input type="text"/>
Destination IP Address	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
IP Subnet Mask	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
Gateway IP Address	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
Metric	<input type="text"/>

Apply Cancel

Static Routes: Static routing is a special type of routing that can be applied in a network to reduce the problem of routing selection and overload of data flow and improve the forwarding speed of packets. You can set the destination IP address, subnet mask, and gateway to specify a routing rule. The destination IP address and subnet mask are used to determine a destination network or host. Then, the router sends packets to the specified destination network or host through the gateway.

- **Active:** Enable it to apply the routing rule.
- **Router Name:** Enter the name of the static route.
- **IP Subnet Mask:** Subnet mask of the destination IP address.
- **Gateway IP Address:** IP address of the router or host to which packets are sent.
- **Metric:** This represents the number of other routers on your network. It ranges from 2 to 15. Usually, the value of 2 or 3 leads to the best performance. If the route is direction connection, set the **Metric** to 2.

CONFIGURATION GUIDE

E-mail Setup

← E-mail Setup

E-mail

Turn E-mail Notification On

Send Alerts and Logs Via E-mail

Your Outgoing Mail Server:

Send To This E-mail Address:

Your E-mail Address:

When Someone Attempts To Visit A Blocked Site. Send Alert Immediately

Your Mail Server requires authentication

User Name

Password

Send Logs According to this Schedule

None

Day

Sunday

Time

0:00 a.m. p.m.

Apply

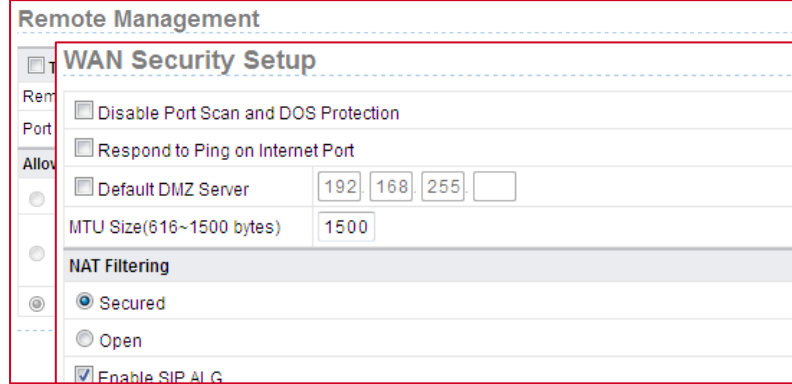
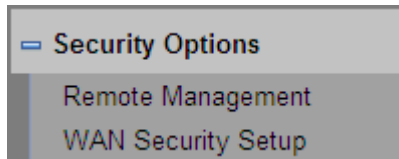
Cancel

E-Mail Setup: Email alerts and logs can set to mail your email address. Alerts contains when someone in your Network tries to visit a blocked site while logs are the lists of all the URLs that this router have been visited.

- **Turn E-mail Notification On:** Enable or disable E-mail notification.
- **Send Alerts and Logs Via E-mail:** You will need to enter your e-mail server and e-mail address here
- **Your Mail Server requires authentication:** If your mail server requires authentication. Select this and enter the user name and the password of your E-mail.
- **Send Logs According to this Schedule:** You can Select a schedule from the drop-down list. When select “None” you can always review the Logs in the **Log** page under **System tools**.

CONFIGURATION GUIDE

Security Options



Security Options: Security options are provided with two main functions, Remote Management and WAN Security Setup. They are here because these two can affect or help your internet security from outside.

- **Remote Management:** This function once enable will allow login from outside to your wireless router and is disable by default. Because there are people might try to break in to your router if it is enabled. It is best to turn remote management off after use so the router cannot be controlled from outside. (When enabling this function, please make sure to the password under **System Tools** .)
- **WAN Security Setup:** This setup here will allow you to configure features that helps your router from outside hack attempts.

CONFIGURATION GUIDE

Security Options

Remote Management

Turn Remote Management On

Remote Management Address : http://0.0.0.0:8080

Port Number :

Allow Remote Access By :

Only This Computer :

IP Address Range : From To

Everyone

- 1. Remote Management:** This function will allow login from outside to your wireless router and is disabled by default. It is best to turn remote management off after use for safety.

 - Turn Remote Management On:** Enable / Disable

 - Remote Management Address:** The whole displayed address is what you need when access from outside.
 - Port Number:** It is best to use **8080**, unless under a complex network environment. You may want to check with your network administrator.
 - Allow Remote Access By:** Set the computer which can remotely access the router.

 - Only This Computer:** Only the specified IP address can access the router.
 - IP Address Range:** A range of IP addresses on the Internet can access the router.
 - Everyone:** Everyone on the Internet can access the router.

CONFIGURATION GUIDE

Security Options

WAN Security Setup

Disable Port Scan and DOS Protection

Respond to Ping on Internet Port

Default DMZ Server

MTU Size(616~1500 bytes)

NAT Filtering

Secured

Open

Enable SIP ALG

Enable L2TP ALG

Enable PPTP ALG

Enable IPSEC ALG

Enable IPv6 Pass-Through

2. WAN Security Setup: This setup here will allow you to configure features that helps your router from outside hack attempts.

- **Disable Port Scan and DoS Protection:** This function protects your LAN against DoS attack. Do not disable this firewall function unless a special situation occurs.
- **Respond to Ping on Internet Port:** If you want the router to respond to ping commands from the Internet, select the check box. The ping command can be used for diagnosis. Like a DMZ server, this function also leads to security risks. Hence, do not select the check box unless it is necessary.
- **Default DMZ Server:** Enter the IP address of a computer or server that serves as a DMZ server.

CONFIGURATION GUIDE

Security Options

WAN Security Setup

Disable Port Scan and DOS Protection

Respond to Ping on Internet Port

Default DMZ Server 192 168 255

MTU Size(616~1500 bytes) 1500

NAT Filtering

Secured

Open

Enable SIP ALG

Enable L2TP ALG

Enable PPTP ALG

Enable IPSEC ALG

Enable IPv6 Pass-Through

2. WAN Security Setup: This setup here will allow you to configure features that helps your router from outside hack attempts.

- **MTU Size:** The maximum transmission unit. Normally, it is 1500 bytes for most Ethernet networks, 1492 bytes for PPPoE connection, and 1436 bytes for PPTP connection. Certain ISPs may require smaller MTU, but this is a rare case. Do not modify the value of MTU size unless it is necessary for your ISP connection.
- **NAT Filtering:** Determines the mode of the router to handle the input traffics.
 - **Secured:** It provides a secure firewall that protects personal computers in an LAN against attacks from the Internet. However, it causes malfunction of certain network games, point-to-point (P2P) applications, and multimedia applications.
 - **Open:** It provides firewall settings of a lower security level. It allows running of almost all network applications.

CONFIGURATION GUIDE

Security Options

WAN Security Setup

Disable Port Scan and DOS Protection

Respond to Ping on Internet Port

Default DMZ Server

MTU Size(616~1500 bytes)

NAT Filtering

Secured

Open

Enable SIP ALG

Enable L2TP ALG

Enable PPTP ALG

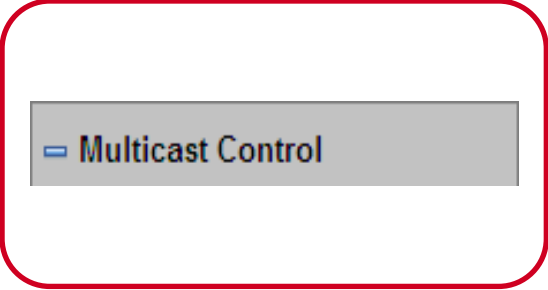
Enable IPSEC ALG

Enable IPv6 Pass-Through

- **Enable SIP ALG:** Certain SIP applications have special mechanisms for passing through the NAT firewall and SIP ALG may have conflicts with these mechanisms.
- **Enable L2TP ALG:** L2TP ALG can pass through L2TP communication data. This function is disabled by default.
- **Enable PPTP ALG:** PPTP ALG can pass through PPTP communication data. This function is disabled by default.
- **Enable IPSEC ALG:** IPSEC ALG can pass through IPSEC service data. This function is disabled by default.
- **Enable IPv6 Pass-Through:** By default, IPv6 pass-through is disabled. If your configuration contains IPv6 devices and you want to replace IPv4 with IPv6, you can select the check box to enable IPv6 pass-through.

CONFIGURATION GUIDE

Multicast Control



— Multicast Control

IGMP

IGMP SETUP

Enable IGMP Snooping

Enable IGMP Proxying

Apply

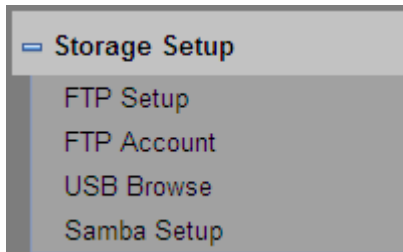
Cancel

Multicast Control: Multicast control are support for layer 2 or higher Ethernet switch.

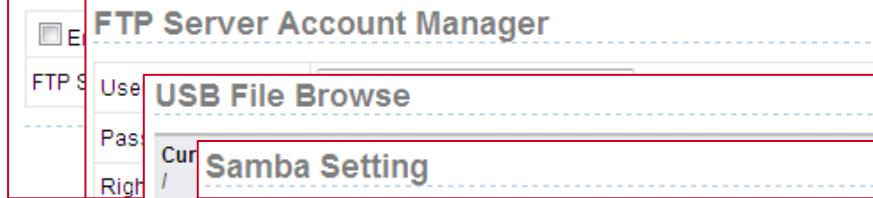
- **Enable IGMP Snooping :** IGMP Snooping is used to multicast management and control. When the Ethernet switch of the second layer receives the IGMP packets transmitted between the host and AP, IGMP Snooping will analyze the packets to establish and maintain the address table of the MAC multicast, and then the routing multicast packets will be transmitted according to the address table of the MAC multicast.
- **Enable IGMP Proxying:** allows an LAN PC to receive desired multicast traffic from the Internet. You can disable the function if you do not need it.

CONFIGURATION GUIDE

Storage Setup



Ftp Server Setting

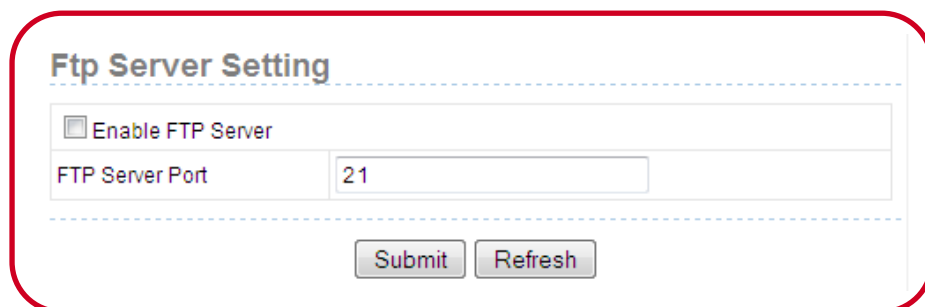


Storage Setup: This router offers USB storage function with built-in FTP server and Samba Server without additional computer and software. You will be able to access the USB storage device at home or away from home.

- **FTP Setup:** Enable FTP Server setup which allows you set up to access the USB drive from outside.
- **FTP Account:** You can setup FTP management here.
- **USB Browse:** Browse and manage the files in the USB drive.
- **Samba Setup:** Samba Server setup allows you set up to access the USB drive within the network.

CONFIGURATION GUIDE

Storage Setup – FTP Server Setup



Ftp Server Setting

Enable FTP Server

FTP Server Port

- 1. FTP Server Setup:** FTP server is disabled by default. If you have USB drive connect to the router, you can enable. Once enabled, users can connect to your USB storage devices. This requires the users with an account name and password as well as permissions, such as upload, download and other privileges.
 - **Enable FTP Server:** Enable / Disable
 - **FTP Server Port:** Set the listening port for the server. The default listening port is 21

CONFIGURATION GUIDE

Storage Setup – FTP Server Account Manager

FTP Server Account Manager

User Name	<input type="text"/>
Password	<input type="password"/>
Rights	<input type="checkbox"/> View <input type="checkbox"/> Upload <input type="checkbox"/> Download

Account Table						
No.	User	Password	Rights			Operation
			View	Upload	Download	

2. FTP Server Account Manager: You will need to create an account with password and access rights before users want to connect to your FTP server. In this page, you can add, delete, edit user accounts, and give appropriate access to the users.

- **User Name:** Enter the desired user name for the user.
- **Password:** Enter the desired password for this user.
- **Rights:** Users can have rights of view, download, or upload privileges, or a combination of all these permissions.
 - **View:** Users can view files in the USB storage device, but they can not upload nor download files.
 - **Upload:** Users can upload files to the USB storage device, but they can not download files. **Note:** The **View** right need to be enable at the same time.
 - **Download:** Users can download files from the USB storage device, but they can not upload files to the storage device. **Note:** The **View** right need to be enable at the same time.

CONFIGURATION GUIDE

Storage Setup – USB Browse

USB File Browse

Current Directory:
/

File Name	File Permissions	File Size	Operation
-----------	------------------	-----------	-----------

USB File Browse

Current Directory:
/usb1_1/

File Name	File Permissions	File Size	Operation
..	drwxrwxrwt	60	<input type="button" value="del"/>
dcim	drwxrwxrwx	32768	<input type="button" value="del"/>
misc	drwxrwxrwx	32768	<input type="button" value="del"/>
private	drwxrwxrwx	32768	<input type="button" value="del"/>

3. **USB Browse:** You can browse and manage the files in USB disk.

Once the USB disk is insert, you will be able to see the content here.

- You can click the **del** button to delete the corresponding file .
- You can click the **Create Folder** button to create a directory in current path.
- You can input the path, or select with clicking **Browse** button to add the file to current directory of USB disk.
- **Unmount:** this is to remove the USB disk safely.
- **Notice:** This device supports max single file size is less then 2GB

CONFIGURATION GUIDE

Storage Setup – Samba Setting

Samba Setting

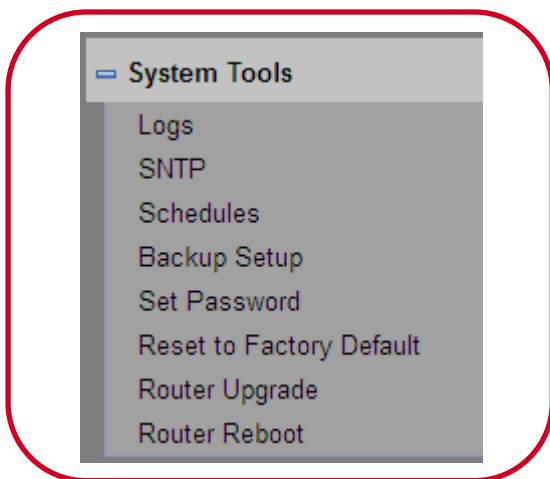
Enable Samba	<input checked="" type="checkbox"/>
Workgroup	<input type="text" value="home"/>
Netbios Name	<input type="text" value="wifi_route"/>
Modify the password for user root	
New Password	<input type="password" value="....."/>
Confirm Password	<input type="password" value="....."/>
Enable USB	<input checked="" type="checkbox"/>
Enable Anonymous	<input checked="" type="checkbox"/>

4. Samba Setting: Samba allows users to share file between windows host and the device via LAN connection.

- **Enable Samba:** Enable or disable the Samba server. When the Samba server is enabled, users can connect to your USB device to share files in the USB device.
- **Workgroup:** The workgroup the device belongs to.
- **Netbios Name:** Set the network name for the device.
- **Modify the password for user root:** Here is to set the password for Samba connection.
 - **New Password:** You can modify the root user's password here.
 - **Confirm Password:** Type in the password again to confirm the New Password.
 - **Enable USB:** Whether to allow USB storage
 - **Enable Anonymous:** Whether to allow anonymous access. If you chose this, users do not need to enter a user name and password that can log into the samba server

CONFIGURATION GUIDE

System Tools

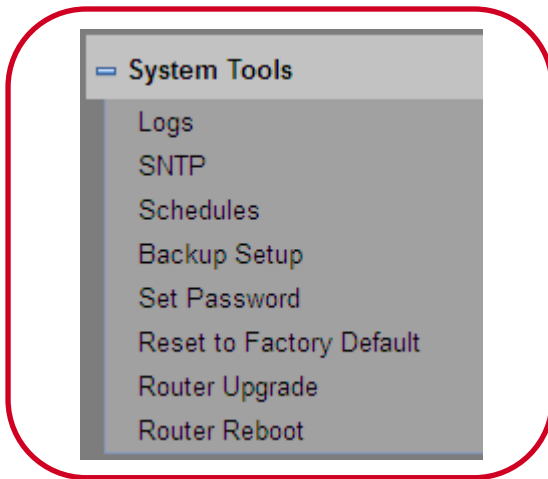


System Tools: System tools provides with detail information on the router. You can set password, backup, reset to factory default, or upgrade Firmware, etc.

- **Log:** A log makes a detailed record of the Web sites that users on your network have accessed or attempted to access. If you have set content filtering on the **Block Sites** page, records are made in the **Logs** page if someone on your network attempted to access a blocked site. If you enable e-mail notification, you will receive log information in an e-mail. If you disable e-mail notification, you can view logs in the **Logs** page.
- **SNTP:** you can set time information of your router. It is strongly recommended to set the correct time on the router first. This ensures proper functioning of log, site blocking, and schedule because their time settings are based on time information in this page.

CONFIGURATION GUIDE

System Tools



- **Schedules:** Here works the same as the **Time of Day to Block**. you can set a schedule to specify the time and mode of restricting Internet access.
- **Backup Setup:** Samba Server setup allows you set up to access the USB drive within the network.
- **Set Password:** You can reset the password for the login. (It is recommended to set a high level security password, write it down and keep it store safely.
- **Reset to Factory Default:** You can reset the router to factory default.
- **Router Upgrade:** Here you can update the firmware.
- **Router Reboot:** Here you can reboot the wireless router.

PHYSICAL SPECIFICATION

General	
Chipset	BCM5358U+BCM43236
Flash / SDRAM	8M / 32M
Standards	IEEE 802.3/u IEEE 802.11a/b/g/n
Protocols	UDP, TCP/IP, PPPoE, DHCP, ICMP, NAT, SNTP, ARP, ALG
Ports	1x 10/100M WAN port 4x 10/100M LAN ports
LEDs	USB, PWR, 2.4GHz WLAN, WPS, WAN (Modem), 4x LAN, WPS, 5GHz WLAN
Safety & Emissions	FCC, CE



PHYSICAL SPECIFICATION

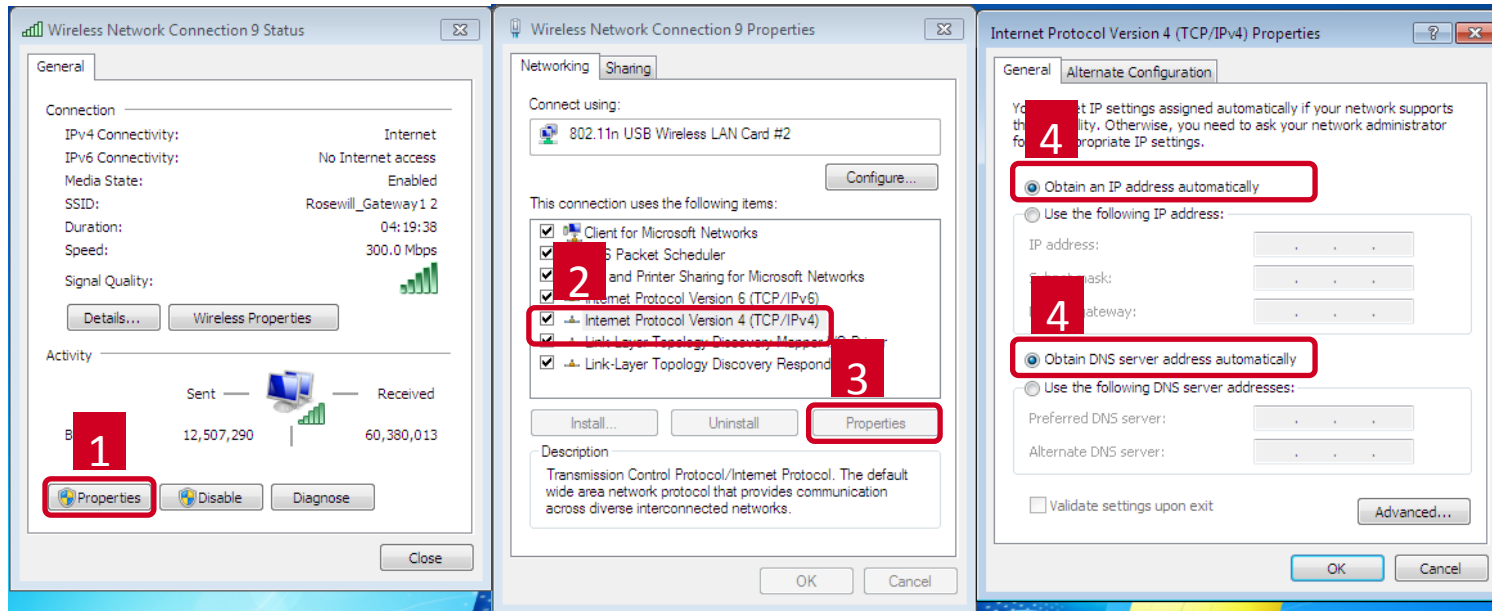
Wireless	
Frequency Band	2.4GHz / 5GHz
Radio Data Rate	300 + 300 mbps
Modulation	Support 256/64/16/8-QAM, QPSK, BPSK, MCS0 ~ MCS15
Security	64/128 bits, WEP, WPA-PSK (TKIP), and WPA2-PSK (AES) wireless encryption
Antenna Gain	2x 5dBi R-SMA Dual Band Antennas
Environmental and Physical	
Temperature.	Operating : 0°C~40°C (32°F~104°F)
	Storage: -40°C~70°C (-40°F~158°F)
Humidity	Operating: 10% - 90% RH, Non-condensing
	Storage: 5% - 90% RH, Non-condensing
Weight & Dimension	6.5 x 4.72 x 1.18 in (16.5 x 12 x 3 cm) + 0.57 lbs (250g)

TROUBLESHOOTING

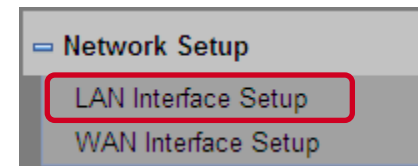
Problem. I follow the steps, but I am not able to open router’s web management page after type in 192.168.1.1 on my web browser.

Solutions. 1. Check if your computer connected to L600N has being set as a “Fixed IP”. You may want to change to “DHCP” setting.

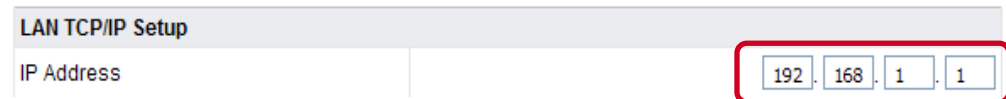
- WIN7 / Vista



2. Check if your computer is connecting to any wireless / wired network other than L600N.
3. You may have a IP conflict on your modem and the router. Please go to LAN Interface Setup and change the **IP Address** to 192.168.x.1 (x can be any number from 2 to 255), then click **Apply**.



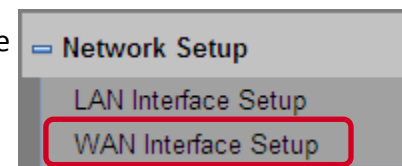
LAN Interface Settings



TROUBLESHOOTING

Problem. My DSL connection is working, but I can not access the internet with L600N.

Solutions. Your Internet Service Provider (ISP) may require the entering of Login and password. To enter, please click **WAN Interface Setup** under **Network Setup**, then select **Yes** for **Does your Internet Connection Require A Login?**. Then select **PPPoE** to enter the connection information provided by your ISP.



Problem. The Setup Wizard does not detect or configure my network.

Solutions.

1. Reset your modem, and power off your L600N by unplug the power adapter then plug back in.
2. Allow the wizard to detect your Internet connection one more time.
3. **Static IP:** You need to provide a fixed IP setting. Please check with ISP for IP information.
4. **DSL Connection:** Your internet connection needs login information. Please check with ISP if you do not have on hand.
5. **Cable Modem Connection:** Cable modem connection may require you to clone MAC address. click **WAN Interface Setup** under **Network Setup**, then under **Router MAC Address** select **Use Computer MAC Address** or manually enter the MAC address by selecting **Use This MAC Address**.

Problem. My IP address show up as 169.254.x.x and my computer tells me that I have "Limited or no Connectivity"

Solutions. Check if your computer is set as DHCP setting. Restart you computer and try again. If same thing occur, please try using another computer or the wireless connection.

Problem. I am not getting maximum signal strength when right next to my router.

Solutions. The client may be too close to the router. You may want to step 5 ~ 10 feet away from the router.

You can also change the wireless channel to avoid wireless interference. Recommended channels use are 1, 6, and 11.

Congratulations, L600N is now successfully configured, and your settings are now saved. You may now connect other devices directly to the 4 wired ports on the back panel or connect wirelessly to L600N.

If you have question, Please feel free to contact us:

Support: techsupport@rosewill.com

Call Center: (800) 575-9885

Safety Statement

FCC 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 connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

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

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER’S AUTHORITY TO OPERATE THE EQUIPMENT.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. “To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas 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.”

Operations in 5150-5250 MHz band is for indoor use only.

CE Mark Warning



This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

National restrictions

This device is intended for home and office use in all EU countries (and other countries following the EU directive 1999/5/EC) without any limitation except for the countries mentioned below:

Country	Restriction	Reason/remark
Bulgaria	None	General authorization required for outdoor use and public service
France	Outdoor use limited to 10 mW e.i.r.p. within the band 2454-2483.5 MHz	Military Radiolocation use. Refarming of the 2.4 GHz band has been ongoing in recent years to allow current relaxed regulation. Full implementation planned 2012
Italy	None	If used outside of own premises, general authorization is required
Luxembourg	None	General authorization required for network and service supply(not for spectrum)
Norway	Implemented	This subsection does not apply for the geographical area within a radius of 20 km from the centre of Ny-Ålesund
Russian Federation	None	Only for indoor applications