User Manual

TOTOLINK Dual Band Wireless-N Router



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1. ABOUT THIS GUIDE

Thank you very much for purchasing this Wireless N Dual Band Router. This guide will introduce the features of this device and tell you how to connect, use and configure the Router to connect with Internet. Please follow the instructions in this guide to avoid affecting the Router's performance by improper operation.

1.1 Overview of the User's Guide

Introduction. Describes the wireless router, the features and appearance.

Hardware Installation. Describes the hardware installation and how to setup PC.

Connecting to Internet. Tells how you can access Internet quickly using the router.

Advanced Settings. Lists all technical functions including Wireless, Network, NAT/Routing, Firewall, Utility, Traffic and System.

2. INTRODUCTION

2.1 Overview

This device is a dual band concurrent wireless router which allows users to access Internet by DHCP/PPPoE/Static IP and can deliver up to 600Mbps wireless data rate. Since it provides Wireless Multibridge, WDS and VPN Server settings, this router can be also used as Repeater, VPN Server and Wireless AP. So it is a high performance and cost-effective solution for home and small offices.

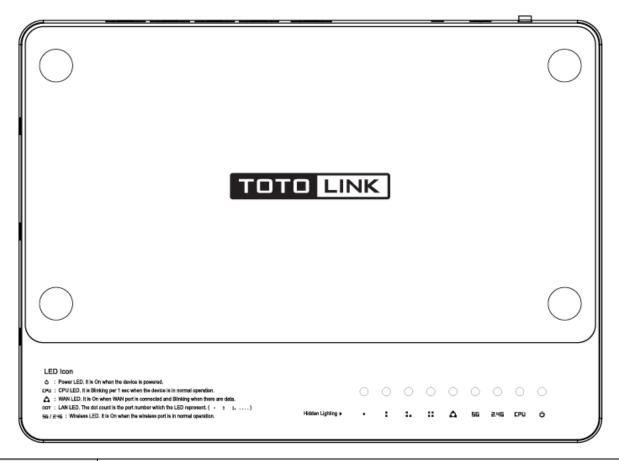
2.2 Features

- Complies with IEEE 802.11n/g/b/a standards.
- Advanced MIMO technology enhances the throughput and wireless coverage.
- > Supports PPPoE, Dynamic IP and static IP broadband functions.
- > Provides 64/128-bit WEP, WPA, WPA2 and WPA/WPA2 (TKIP+AES) security.
- Connects to secure network easily and fast using WPS.
- Multi-SSID allows user to create multiple LANs according to their needs.
- > The IP, MAC and URL filtering makes access and time control more flexibly.
- Repeater function expands the wireless coverage and allows more terminals to access Internet.
- ➤ The VPN server can not only protect the privacy of your information, but also simplify network management.
- Smart QoS function can assign bandwidth to PCs equally by one click.

2.3 Panel Layout

2.3.1 Front Panel

The front panel of this wireless router consists of 9 LEDs, which is designed to indicate connection status.

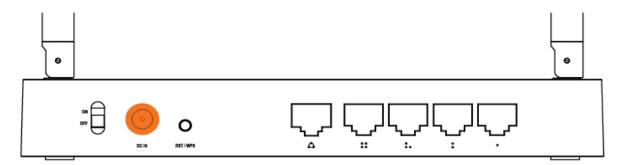


| POWER | This indicator lights blue while the router receiving power, otherwise it is off. | |
|-------------|---|--|
| СРИ | This indicator keeps blinking blue after the router powered on. | |
| 2.4G | This indicator lights blue when the router's 2.4G wireless enabled. | |
| 5G | This indicator lights blue when the router's 5G wireless enabled. | |
| WAN | When the WAN port is connected successfully the indicator lights blue. | |
| | While transmitting or receiving data through the WAN port the indicator blinks blue. | |
| 1/2/3/4 LAN | When one of the LAN ports has a successful connection, the corresponding indicator lights blue. | |
| | While transmitting or receiving data through the LAN port the indicator blinks | |

blue.

2.3.2 Rear Panel

The figure below shows the real panel of the router.



| DC IN | The power socket is used to connect the power adapter. | |
|-------------|--|--|
| RST/WPS | RST: With the router powered on, press and hold the button for more than 5 seconds. The router will reboot to factory default settings. | |
| | WPS: If you have client devices you can press this button to quickly establish a secured connection between router and client devices. | |
| WAN | This port is used to connect the DSL/cable Modem or Ethernet. | |
| 1/2/3/4 LAN | This port connects to local PC. | |

Note: Press and hold RST/WPS button for less than 5 seconds, the router will enable WPS function. Press and hold WPS/RST button for more than 5 seconds, the router will enable RESET function

3. HARDWARE INSTALLATION

3.1 Hardware Installation

For those PCs you wish to access Internet by this router, each of them must be properly connected with the router through UTP Cables.

- 1. Connect your PC's LAN port to one of the router's LAN port using UTP cable.
- 2. Connect existing Internet cable (such as ADSL or Modem) to router's WAN port using another UTP cable.
- 3. Plug the Power Adapter into the router and then into an outlet.
- 4. Turn on your computer.
- 5. Check and confirm that the Power LED and LAN LED on the router are ON.

3.2 Check the Installation

The control LEDs of the WLAN Router are clearly visible and the status of the network link can be seen instantly:

- 1. With the power source on, the Power, LAN and WAN LEDs of the WLAN Router will keep lighting blue for a few seconds, the CPU keeps flashing blue.
- 2. About 5 seconds later, only Power, Enabled wireless (2.4G/5G) and the connected LAN LEDs keep lighting, CPU keeps flashing. Other LED is off.

3.3 Set up the Computer

The default IP address of the Router is 192.168.1.1, the default Subnet Mask is 255.255.255.0. Both of these parameters can be changed as you want. In this guide, we will use the default values for description.

Connect the local PC to the LAN port on the Router. There are then two ways to configure the IP address for your PC.

Configure the IP address manually

Configure the network parameters. The IP address is 192.168.1.xxx ("xxx" range from 2 to 254). The Subnet Mask is 255.255.255.0 and Gateway is 192.168.1.1 (Router's default IP address).

Obtain an IP address automatically

Set up the TCP/IP Protocol in Obtain an IP address automatically mode on your PC.

Now, you can run the Ping command in the **command prompt** to verify the network connection between your PC and the Router. Open a command prompt, and type in **ping 192.168.1.1**, then press **Enter.**

```
C:\Documents and Settings\Administrator\ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.1.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Documents and Settings\Administrator\_
```

If the result displayed is similar to that shown in above figure, it means that the connection between your PC and the Router has been established.

```
C:\Documents and Settings\Administrator\ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 192.168.1.1:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Documents and Settings\Administrator\_
```

If the result displayed is similar to that shown in the above figure, it means that your PC has not connected to the Router successfully. Please check it following below steps:

1. Is the connection between your PC and the Router correct?

If correct, the LAN port on the Router and LED on your PC's adapter should be lit.

2. Is the TCP/IP configuration for your PC correct?

Since the Router's IP address is 192.168.1.1, your PC's IP address must be within the range of 192.168.1.2 ~ 192.168.1.254, the Gateway must be 192.168.1.1.

4. CONNECTING TO INTERNET

This chapter introduces how to configure the basic functions of your Dual Band Wireless Router so that you can surf Internet.

4.1 Login Web Interface

With a Web-based utility, for example Google Chrome, this Router is easy to configure and manage.

Connect to the Router by typing 192.168.1.1 in the address field of Web Browser. Then press **Enter** key.



It will show up the following page:



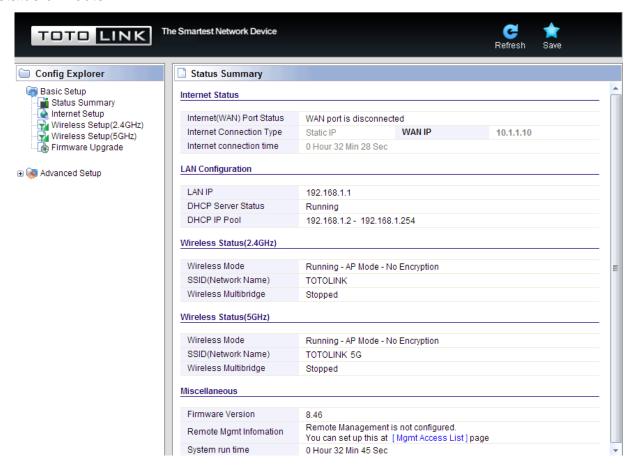
Click **Setup Tool** icon to access the Web Interface of the Router. Then below window will pop up that requires you to enter valid User Name and Password.



Enter **admin** for User Name and Password, both in lower case letters. Then click **Log In** button or press **Enter** key.

Note: If the above screen does not prompt, it means that your web-browser has been set to using a proxy. Go to **Tools menu>Internet Options>Connections>LAN Settings**, in the screen that appears, cancel the **Using Proxy checkbox**, and click **OK** to finish it.

Now, you have got into the Router's configuration interface. First, you will see the current status of Router:

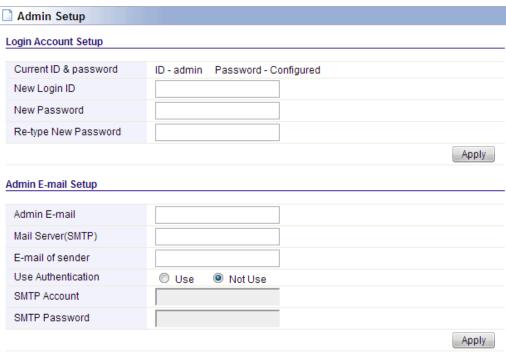


On the left, it is the guide bar:



4.2 Changing Password

Now, we recommend that you change the password to protect the security of your Router. Please go to **Advanced Setup—System—Admin Setup** change the password required to log into your Router.



New Login ID: type in the name that you use to login the web interface of the router or change a new one.

New Password: new password is used for administrator authentication.

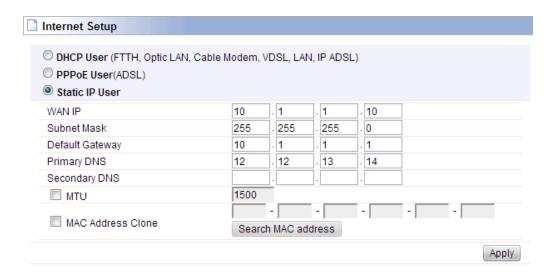
Re-type New Password: new password should be re-entered to verify its accuracy.

Note: password length is 8 characters maximum, characters after the 8th position will be truncated.

Admin Email Setup we will discuss later.

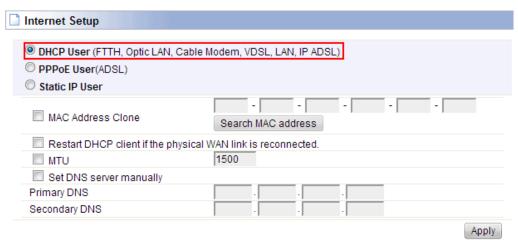
4.3 Internet Setup

Click **Basic Setup--Internet Setup**, this page is used to configure the parameters for Internet Network. WAN access modes include DHCP, PPPoE and Static IP.



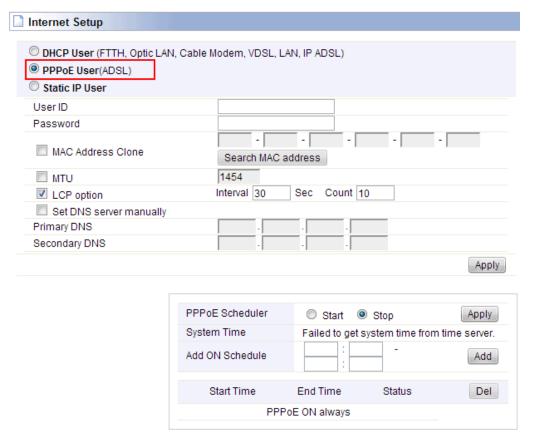
4.3.1 DHCP User

For DHCP User, your computer will get dynamic IP address from your ISP (Internet Service Provider) automatically. No need to do any settings here.



4.3.2 PPPoE User (ADSL)

If you use ADSL virtual dial-up to connect Internet, please choose this option. Your ISP must have provided the User ID and Password.

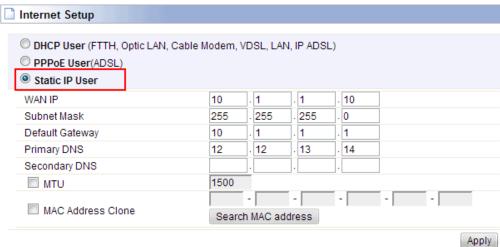


User ID: a specific valid ADSL user name provided by your ISP. **Password:** the corresponding valid password provided by your ISP.

Knowledge Extension: Point-to-Point Protocol over Ethernet (PPPoE) is a virtual private and secure connection between two systems that enables encapsulated data transport. It replies on two widely accepted standards: PPP and Ethernet. It connects users through an Ethernet to the Internet with a common broadband medium, such as wireless device or cable modem. All the users over the Ethernet can share a common connection.

4.3.3 Static IP

If your ISP provides a static IP to access Internet, please finish the below parameter settings.



WAN IP: the IP address provided by your ISP.

Subnet Mask: This is used to define the device IP classification for the chosen IP address range. 255.255.255.0 is a typical net mask value for Class C networks. Generally it is provided by your ISP.

Default Gateway: This is the IP address of the host router that resides on the external network and provides the point of connection to the next hop towards the Internet. This can be a DSL modem, Cable modem, or a WISP gateway router. The router will direct all the packets to the gateway if the destination host is not within the local network.

Primary DNS: Domain Name System. Every Internet host must have a unique IP address, also they may have a human-friendly, easy to remember name such as www.yahoo.com. The DNS server converts the user-friendly name into its equivalent IP address. This is provided by your ISP.

After you finish the blank that required, you could click **Apply** to make all the settings work.

4.4 Wireless Setup (2.4GHz)

This page is used to configure basic wireless parameters and encryption methods.



Operation: choose Start to enable your 2.4G wireless network to access Internet wirelessly.

SSID: This is your wireless network name. If you want to access Internet wirelessly, search for this SSID and connect to it. You can define it as you like.

Mode: Generally, it is B, G, N selected. Keep the default value.

Region: Area where you are using the wireless router.

Channel: Choose the best wireless channel by clicking **Channel Search**. By default, it is the best channel.

SSID Broadcast: This option is used to hide your SSID.

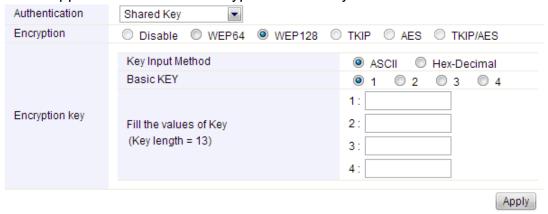
Authentication: You can choose one encryption method for your wireless network.



4.4.1 Shared Key (WEP)

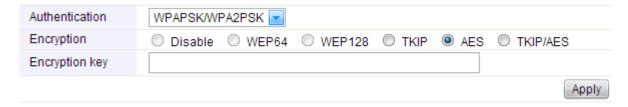
WEP (Wired Equivalent Privacy) is based on the IEEE 802.11 standard and uses the RC4 encryption algorithm. Enabling WEP allows you to increase security by encryption data being transferred over your wireless network. WEP is the oldest security algorithm, and

there are few applications that can decrypt the WEP key in less than 10 minutes.



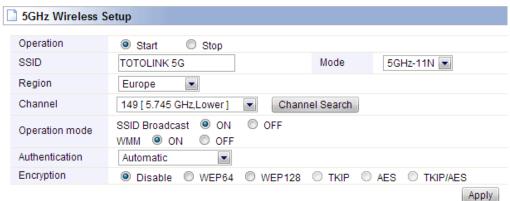
4.4.2 WPA-PSK/WPA2-PSK (Recommended)

Wi-Fi Protected Access (WPA) is the most dominating security mechanism in industry. It is separated into two categories: WPA-personal or called WPA Pre-Share Key (WPA/PSK), and WPA-Enterprise or called WPA/802.1x. WPA2 means Wi-Fi Protected Access 2, it is the current most secure method of wireless security and required for 802.11n performance. Please set one Encryption key (password) for your wireless network to prevent being occupied by others.



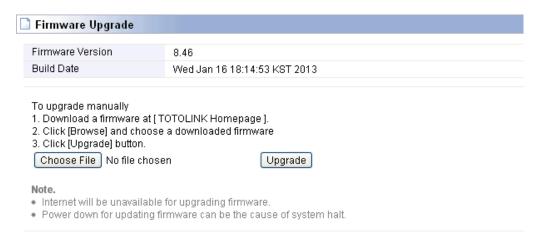
4.5 Wireless Setup (5GHz)

This setting is similar to 2.4GHz, but the Mode and Channel are different. You can just keep the default settings.



4.6 Firmware Upgrade

Click Firmware Upgrade, you will see firmware upgrade webpage as below.



This page allows you to upgrade the wireless router firmware to the latest version. Please NOTE, do not power off the device during the uploading process because it may cause damage to your system.

After finishing the settings above, you'd better restart your computer and the Router to connect to Internet successfully. Then you can enjoy the high-speed and high-stability Internet through this Router.

5. ADVANCED SETUP

The Advanced Setup includes Network, Wireless, NAT/Routing, Firewall, Utility, Traffic and System. Most of these settings are only for more technically advanced users who have sufficient knowledge about wireless LAN. Also they should not be changed unless you know what effect the changes will have on your Wireless Router.

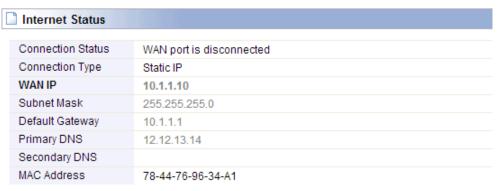
5.1 Network

Click the plus sign beside **Network** menu to show up all Network parameters you could set up.



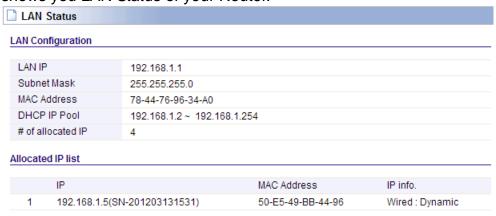
5.1.1 Internet Status

This page shows the WAN Status of this Router



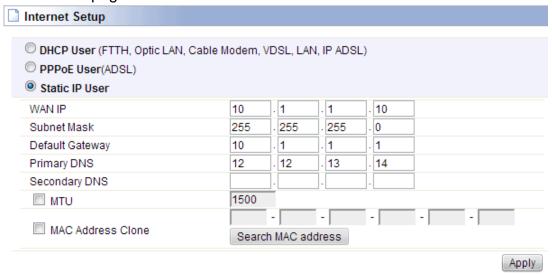
5.1.2 LAN Status

This page shows you LAN Status of your Router.



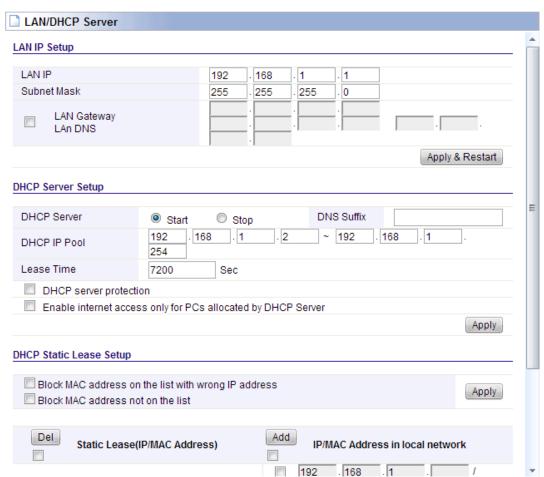
5.1.3 Internet Setup

We have discussed this setting on **Internet Setup.** You can also reconfigure the parameters on this page.



5.1.4 LAN/DHCP Server

Click **LAN/DHCP Server**, you will enter the page that allows you configure the LAN port and DHCP Server.



IP Address: This is the IP address to be represented by the LAN (including WLAN)

interface that is connected to the internal network. This IP will be used for the routing of the internal network (it will be the Gateway IP for all the devices connected on the internal network).

Subnet Mask: This is used to define the device IP classification for the chosen IP address range. 255.255.255.0 is a typical netmask value for Class C networks which support IP address range from 192.0.0.x to 223.255.255.x. Class C network netmask uses 24 bits to identify the network and 8 bits to identify the host.

Note: If the IP address changed, you can log into the WEB configuration interface only using the new IP address.

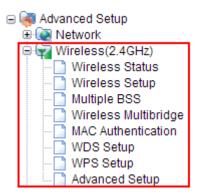
DHCP Server: you can choose to start or stop DHCP.

DHCP IP Pool: it is the IP range that the DHCP server will assign to every PC connected with the router.

Lease Time: the IP addresses given out by the DHCP server will only be valid for the duration specified by the lease time. Increasing the time ensure client operation without interrupt, but could introduce potential conflicts. Lowering the lease time will avoid potential address conflicts, but might cause more slight interruptions to the client while it will acquire new IP addresses from the DHCP server. The time is expressed in seconds.

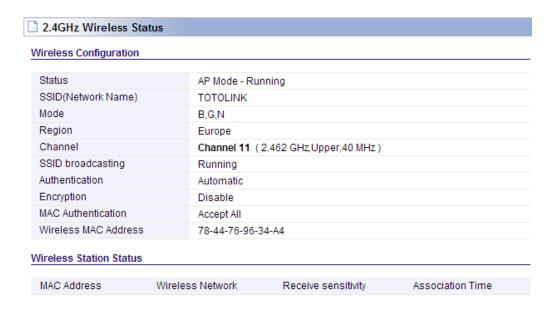
5.2 Wireless (2.4GHz)

Next, you can set up the Wireless parameters. Click the plus sign beside **Wireless (2.4G)** menu to open up all wireless parameters, see below figure:



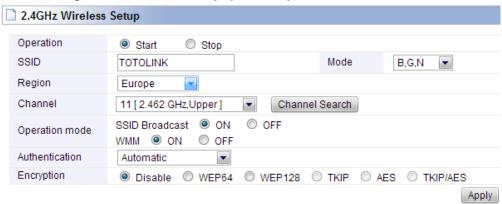
5.2.1 Wireless Status

This page shows you the current wireless status of the router.



5.2.2 Wireless Setup

Click **Wireless Setup**, you will be able to configure the basic wireless function. We have discussed this setting on **Wireless Setup** (2.4GHz).



5.2.3 Multiple BSS

This page is used to create multiple SSID for different LANs.

| 2.4GHz N | Multiple BSS | | |
|--|--------------|-------------------------------|--------------|
| | | | |
| SSID | | | |
| | | Allow all | |
| Access Po | licy | Only for Internet | |
| | | Only for LAN | |
| SSID Broad | dcast | ON ○ OFF | |
| WMM | | ON ○ OFF | |
| Authenticat | tion | Automatic | |
| Encryption | | Disable | AES TKIP/AES |
| Management of the control of the con | | | |
| Max number of wireless network is 3 Cancel | | | |
| | | | |
| Wireless network information Run Del | | | |
| ((p)) | | ess Network Disable - WMM) | Running |
| | Allow all | | |

SSID: define the SSID by yourself.

Access Policy: setup the access policy as you want.

SSID Broadcast: choose to hide or broadcast your SSID.

WMM: it is an abbreviation of Wi-Fi Multimedia. It defines the priority levels for four access categories derived from 802.1d (prioritization tabs). The categories are designed with specific types of traffic, voice, video, best effort and low priority data.

Encryption: you can choose the encryption method for WMM. Please refer to **Wireless Setup (2.4G).**

5.2.4 Wireless Multibridge

This page is used to setup the bridge and repeater functions.

| 2.4GHz Wireless Multibridge | | | |
|-----------------------------|--------------------------------------|--|--|
| | | | |
| Operation | Start Stop | | |
| Wireless Mode | Use Wireless Bridge Use Wireless WAN | | |
| Bridge(Station) MAC Address | 78:44:76:96:34:A4 | | |
| Wireless Status | Stopped | | |
| SSID | Search AP | | |
| Channel | 11 [2.462 GHz,Upper] | | |
| Authentication | Open System | | |
| Encryption | Disable | | |
| | Apply | | |

Wireless Bridge: In this mode, the router is used as an AP to get other router's signal.

Wireless WAN: The same function as **Wireless Bridge**, but the only setting difference is that Wireless WAN need not to stop the DHCP Server.

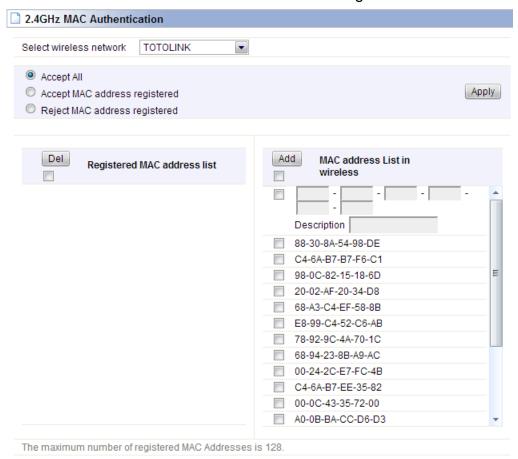
SSID: Click **Search AP**; choose the SSID of your Primary Router.

Authentication: Please refer to Wireless Setup (2.4G).

Note: Both these two repeater methods can help you to expand the wireless coverage and allow more terminals to access Internet. But since Wireless WAN need not stop DHCP Server, all PCs' IP Addresses are assigned by the Secondary Router itself. So this method allows more PCs to access Internet than Wireless Bridge. In Wireless Bridge mode, the PCs' permissions to access Internet are decided by Primary Router which can make users to manage the LAN more easily.

5.2.5 MAC Authentication

You can control the PC to connect the wireless Router through MAC authentication.



5.2.6 WDS Setup

WDS means Wireless Distribution System. It is a protocol for connecting two access points wirelessly. Usually, it can be used for the following application:

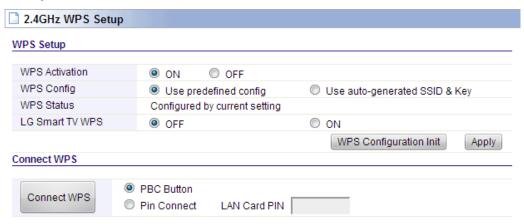
- 1. Provide bridge traffic between two LANs though the air.
- 2. Extend the coverage range of a WLAN.

To meet the above requirement, you must set these APs in the same channel and set MAC address of other APs which you want to communicate with in the table and then enable the WDS.



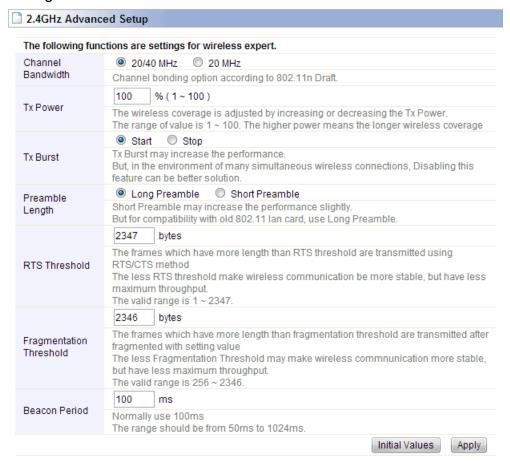
5.2.7 WPS Setup

WPS (Wi-Fi Protected Setup) provides easy procedure to make network connection between wireless station and wireless access point with the encryption of WPA and WPA2. It is enabled by default.



5.2.8 Advanced Setup

Advanced Setup is for advanced parameter settings. For common users, please just keep the default configuration.



Channel Bandwidth: this is the spectral width of the radio channel. Supported wireless channel spectrum widths:

20MHz is the standard channel spectrum width.

40MHz is the channel spectrum with the width of 40MHz (selected by default).

TX Power: please refer to the description on the page.

TX Burst: Please just keep the default.

Preamble Length: this option is to define the length of the sync field in an 802.11 packet. Most modern wireless network uses shot preamble with 56 bit sync filed instead of long preamble with 128 bit sync filed. However, some original 11b wireless network devices only support long preamble.

RTS Threshold: determines the packet size of a transmission and, through the use of an access point, helps control traffic flow. The range is 0-2347 bytes. The default value is 2347, which means that RTS is disabled.

RTS/CTS (Request to Send / Clear to send) are the mechanism used by the 802.11 wireless networking protocols to reduce frame collisions introduced by the hidden terminal problem. RTS/CTS packet size threshold is 0-2347 bytes. If the packet size the node wants to transmit is larger than the threshold, the RTS/CTS handshake gets triggered. If the packet size is equal to or less than threshold the data frame gets sent immediately.

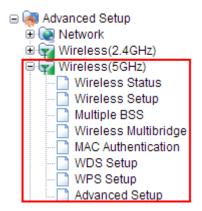
System uses Request to Send/Clear to send frames for the handshake that provide collision reduction for an access point with hidden stations. The stations are sending a RTS frame first while data is sent only after a handshake with an AP is completed. Stations respond with the CTS frame to the RTS, which provide clear media for the requesting station to send the data. CTS collision control management has a time interval defined during which all the other stations hold off the transmission and wait until the requesting station will finish transmission.

Fragment Threshold: specifies the maximum size for a packet before data is fragmented into multiple packets. The range is 256-2346 bytes. Setting the Fragment Threshold too low may result in poor network performance. The use of fragment can increase the reliability of frame transmissions. Because of sending smaller frames, collisions are much less likely to occur. However, lower values of the Fragment Threshold will result in lower throughput as well. Minor or no modifications of the Fragmentation Threshold value is recommended while default setting of 2346 is optimum in most of the wireless network use cases.

Beacon Period: By default, it is set to 100ms. Higher Beacon interval will improve the device's wireless performance and is also power-saving for client side. If this value set lower than 100ms, it will speed up the wireless client connection.

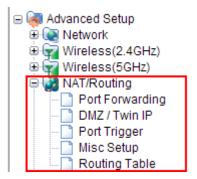
5.3 Wireless (5GHz)

Wireless (5GHz) is provided to enable users to establish 5G wireless channel connection, which can provide high performance for HD video streaming and online gaming. All the parameter settings please refer to **Wireless (2.4GHz)**.



5.4 NAT/Routing

Click the plus sign beside **NAT/Routing** menu to open us all the parameters contained, see below:



5.4.1 Port Forwarding

On this page, you can redirect common network services automatically to a specific device behind the NAT firewall. This setting is only necessary when you want to host some sort of servers like a Web server or mail server on the private local network behind your Gateway's NAT firewall.



LAN IP: You can set the IP Address that you defined the rule for.

Protocol: Choose which particular protocol type should be forwarding. Here you can

choose UDP/TCP.

External Port: Set the WAN range.

Internal Port: Set the LAN range.

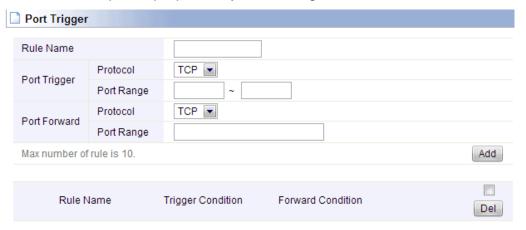
5.4.2 DMZ / Twin IP

The DMZ (Demilitarized Zone) host feature allows one local host to be exposed to the Internet for a special-purpose service such as Online Game and video conferencing. DMZ host forwards all the ports at the same time. Any PCs whose port is being forwarded must have its DHCP client function disabled and should have a new static IP Address assigned to it, because its IP Address may be changed when using the DHCP function.



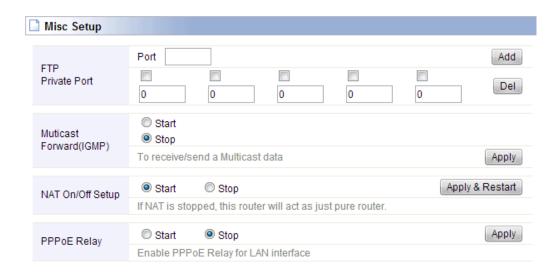
5.4.3 Port Trigger

You can achieve some special purposes by this setting.



5.4.4 Misc Setup

Misc setup provides FTP Private Port, Multicast Forward and NAT on/off setup.



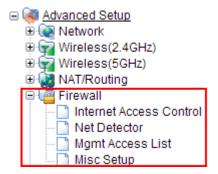
5.4.5 Routing Table

You can add or delete the static routing rules here.



5.5 Firewall

Click the plus sign beside **Firewall** menu to show up all the parameters contained, see below:



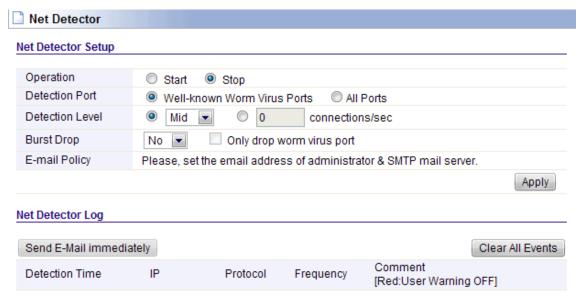
5.5.1 Internet Access Control

Internet Access Control provides multiple security protection. It can achieve MAC/Port/IP filtering, Internet access time control and other functions that enable user to control Internet access.



5.5.2 Net Detector

Net Detector provides some basic virus protection function that allows user to have a safer network communication.

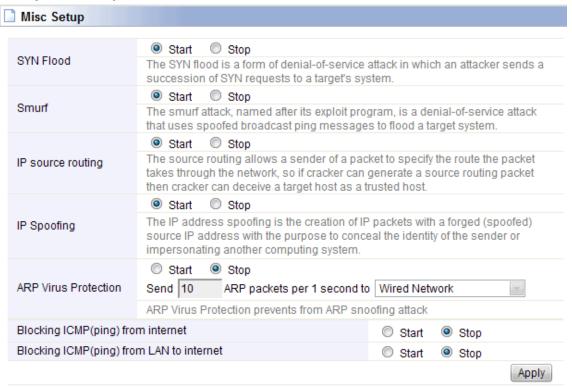


5.5.3 Mgmt Access List



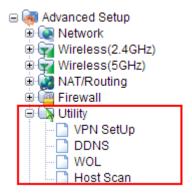
5.5.4 Misc Setup

Misc Setup: Generally maintain the default.



5.6 Utility

Click the plus sign beside **Utility** menu to open up all the parameters contained, please see below:



5.6.1 VPN Setup

The wireless router provides PPTP protocol VPN connection, and it supports 5 VPN users at most. Please enter the account information to connect the VPN server.



VPN (PPTP) Setup

Mode: Start

Encryption (MPPE): MPPE encryption

Click **Apply** (this is very important, if you don't click **Apply**, the settings below will not work).

VPN (PPTP) Account

VPN Account: This is set by you.

VPN Password: set by you

Assigned IP: This should be in the same network with your LAN IP.

Click **Add**. You can create at most 5 VPN accounts by this router. After setup, you need to provide the VPN Account, Password and your WAN IP address to anyone that needs them. The VPN Client should follow right steps to make a successful VPN connection.

5.6.2 DDNS

DDNS (Dynamic Domain Name Server) is to achieve a fixed domain name to dynamic IP resolution. For dynamic IP address users, if there is any Internet access to their IP address, they need to show a fixed domain name to them. So their IP address will be sent to the

DDNS service provider from the dynamic analysis server (3322, dyndns.org) and to update the DNS database. Then DDNS will bind the dynamic IP address to a fixed domain name. When other users on the Internet want to access this domain name, the dynamic DNS server will return the correct IP address. In this way, most users do not need to use fixed IP and can also name the fixed network system.

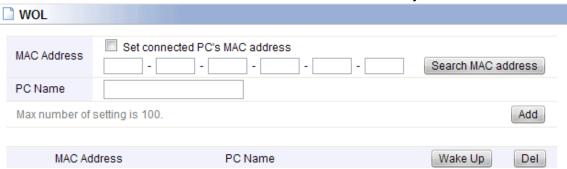


In order to set up DDNS, please follow the below steps:

- 1. Choose your service provider.
- 2. Type in User Name for your DDNS account.
- 3. Type in Password for your DDNS account.
- 4. Host Name-the domain names are displayed here. Click **Add** to apply the modification.

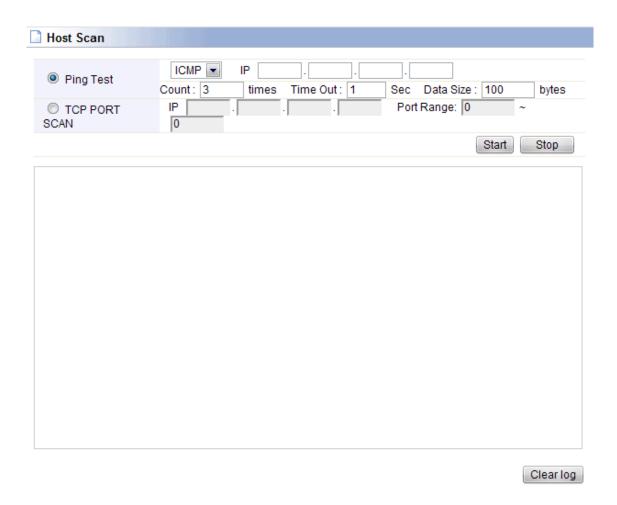
5.6.3 WOL

Users can use this Wake On Line function to start the PC remotely.



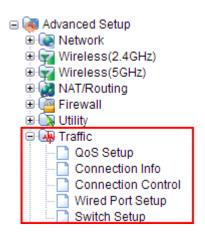
5.6.4 Host Scan

It allows user to view the working status of the PC, including status of ICMP, ARP package sending and receiving and TCP port communication information.



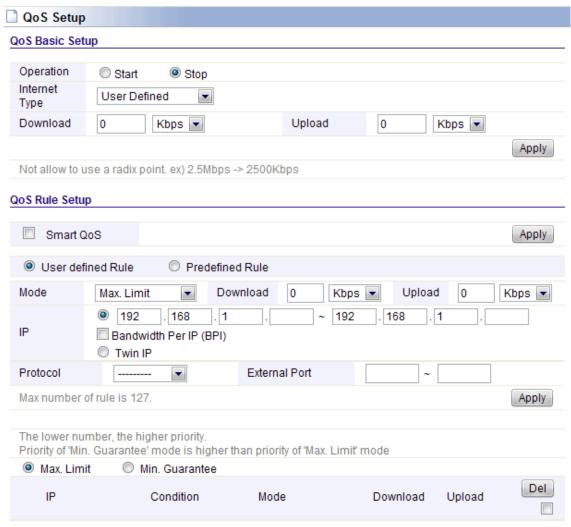
5.7 Traffic

Click the plus sign beside the Traffic menu to show up all the parameters contained, see below:



5.7.1 QoS Setup

This page is used to control the wireless speed of connected PC.



Operation: You can choose to Start or Stop this function on your Router.

Internet Type: Any Internet type you want to control bandwidth.

Download/Upload: Set the bandwidth range of the Router.

QoS Rule Setup

Smart QoS: You can choose to use Smart QoS for convenient. If you select this option, you don't need to do the below settings.

Mode: You could select minimum bandwidth or maximum bandwidth.

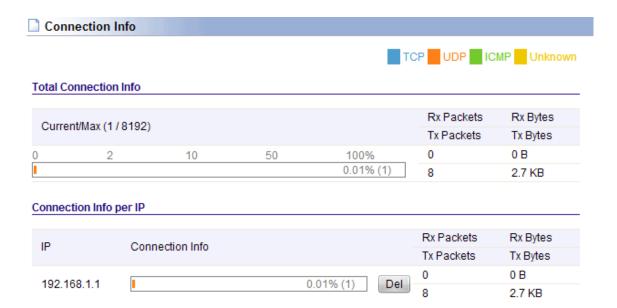
IP: You should type in the IP addresses range of PC in LAN.

Protocol: Any Protocol you want to control bandwidth.

External Port: You need to enter the range of external ports that you want to control bandwidth..

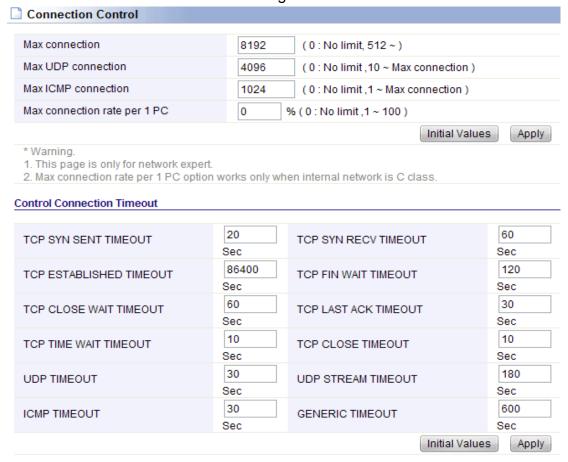
5.7.2 Connection Info

This page indicates the present connection information of the Wireless Router using graphics and data including data package sending and receiving status of each PC in connection.



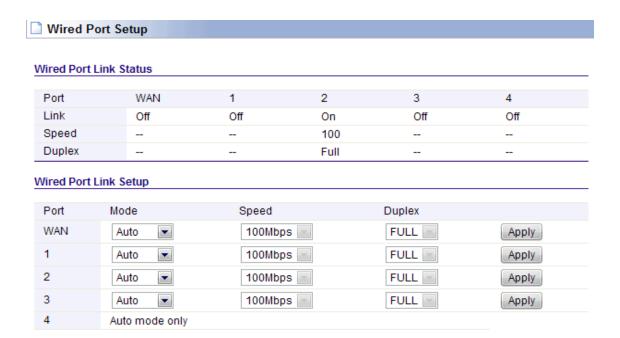
5.7.3 Connection Control

Connection Control shows the Max connection, Max UDP connection, Max ICMP connection and Max connection of each PC. These settings are only for advanced users, common users are not recommended to change them.



5.7.4 Wired Port Setup

This page shows the connection status of the PC connected with your router by cables.



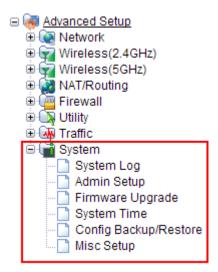
5.7.5 Switch Setup

This page is used to specify the LAN port data transmission.



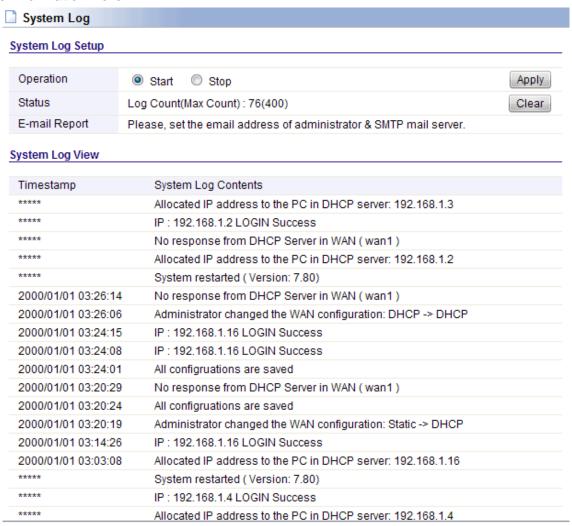
5.8 System

Click the plus sign beside the System menu to open up all the parameters contained, please see below:



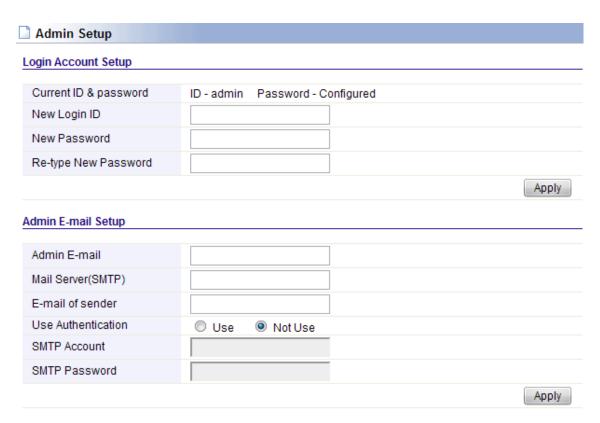
5.8.1 System Log

System Log shows the working status of the wireless router, user can check the running status information here:



5.8.2 Admin Setup

We have discussed Account Setup before; here we focus on **Admin E-mail Setup**.



Admin E-Mail Setup: If you want to receive IP routing log by email, set up Email address and SMTP server to receive it.

5.8.3 Firmware Upgrade

This page allows you to upgrade the Access Point firmware to new version. Please note: DO NOT power off the device during the upload because it may crash the system.



5.8.4 System Time

You can set the time server and time zone for your wireless Router system time.



5.8.5 Config Backup/Restore

This webpage allows you to save current settings to a file and reload the settings from the file which was saved previously. Besides, you could reset the current configuration to factory default.



5.8.6 Misc Setup

Misc Setup provides Host name, Auto Saving, Auto Redirection, Login page setup, UPNP setup and Restart System functions.

