DWR02 3G WiFi Portable Router

User’s Manuel

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Overview

1. Introduction

The DWR02 3G WiFi Portable Router is a high-performance router that supports wireless networking for home, office or public space usage. The DWR02 3G WiFi Portable Router allows you to share your 3G service with any wireless enabled desktop or laptop computer. Using a 3G cell phone or USB modem (EVDO/GPRS/EDGE/UMTS/HSDPA) you can now set up a wireless network to share internet access. Remote offices can use a single 3G connection to create a wireless network that can be shared between all users.
Simply plug a 3G USB card or into the DWR02 3G WiFi Portable Router and you're on your way to creating your network. After a simple setup process with the built- in web based configuration you're ready to enjoy wonderful High speed 3G network service.

2. Features

WiFi Standards	WLAN:IEEE 802.11b/g
Security	Enable/Disable SSID, Internet Access Control(Service, URL and MAC)
Supported WAN type	3G
Connection Scheme	Connect-on-demand, Auto-Disconnect
LAN Connection	10/100 BASE-T
Internet Access	Requires a USB terminal supporting Internet connection
Configuration and Management	Web-Based and SNMP DHCP Server and Client
Working Environment	Temperature: 0℃ ~ +60℃, Humidity 10%~95% non-condensing
OS supported	Windows 95/98/ME/NT/2000/XP; Linux
Power Supply	Input:AC90-260V Output:12V
Ports	1Reset, 1 LAN port (RJ45), 1 USB Port(A type jack), 1 Power Supply Port
Switch	1 Power supply switch
Maximum Transmission Power	802. 1 1b: 18±ldBm 802.11g: 16±ldBm
Dimension	114×90×30
Weight	140g (device only)
Power Consumption	<6W

3. Minimum System Requirements

Before continuing with the installation of your DWR01-M 3G WiFi Portable Router, please confirm that you comply with the minimum system requirements.

- A compatible 3G card or cell phone if you want to use 3G Broadband service.

Note: Subject to term and condition from your 3G Broadband Internet Service.

- Computer with Windows or Linux-based operating systems with a working Ethernet adapter with TCP/IP Protocol installed.
- Internet Explorer version 5.0 or above.

Wireless Computer System Requirements

- Computer with a working 802.11b, or 802.11g wireless adapter

4. LED Indicators

Label	Status	Indicates
WAN	Flashing	Flashes when router is connecting to the 3G network.
	On	Indicates the 3G Network connection is established.
	Off	Indicates no link to 3G network.
WLAN	Flashing	Flashes when data is being sent and received on the WLAN connection
	On	Indicates that the upstream link to your router via the WLAN port is active
	Off	Indicates WiFi function is off or not available./ There is no data exchange.
USB	On	Indicates that the USB modem is found
	Off	Indicates that the USB modem is not found
Power	On	Indicates that the router is powered on
	Off	Indicates that the router is powered off

5. Restoring Factory Defaults

This feature will reset the Router to its factory default configuration. Occasions may present themselves where you need to restore the factory default settings on your router. Typical situations are:

- You have lost your password and unable to login to the router;
- You have purchased the router from someone else and need to reconfigure the device.

In order to restore your router to its factory default settings, please follow these steps:

- Ensure that the router is powered on (for at least 30 seconds).
- Use a paper clip or a pencil tip to depress the reset button for ten seconds and release. At this point, the reset is in progress. Do not power off the unit at this point.

• After the router reboots, the default settings are now restored. This entire process takes several minutes to complete.
• Once you have reset the router to its default settings you will be able to access the device's web configuration using http://192.168.1.1 with password admin.

Connecting the DWR01-M WiFi Portable Wireless Router

Connect the DWR01-M 3G WiFi Portable Router to Your Network

Note: DO NOT connect the DWR01-M 3G WiFi Portable Router to power before performing the installation steps below.

Step 1: Plug the USB 3G modem to the USB port on the top of the router.

Step 2:

1. Connect the power adapter to the port on the bottom of your DWR01-M 3G WiFi Portable Router.
2. Then plug the other end of the power adapter into a wall outlet or power strip.

Step 3: Push the power supply button on the lower left part of the router.

Setting up Your Computer

Having physically connected your DWR01-M 3G WiFi Portable Router, the next step is to configure the router to establish a broadband connection. Depending on your computers current settings you may first need to reconfigure the TCP/IP (Network Settings) to access your 3G Wireless Router.
Follow the instructions for your operating system.

Windows® XP PCs

1. In the Windows task bar, click the Start button, and then click Control Panel.
2. Click on Network & Internet Connections icon. (Category mode only).
3. Click the Network Connections icon.
4. In the LAN or High-Speed Internet window, right-click on the icon corresponding to your network interface card (NIC) and select Properties. (Often, this icon is labeled Local Area Connection).
5. The Local Area Connection dialog box displays with a list of currently installed network items. Ensure that the check box to the left of the item labeled Internet Protocol (TCP/IP) is checked. Select Internet Protocol TCP/IP and click on Properties.
6. In the Internet Protocol (TCP/IP) Properties dialog box, click the radio button labeled Obtain an IP address automatically. Also click the radio button labeled Obtain DNS server address automatically.
7. Click OK twice to confirm your changes, and close the Control Panel.

Windows vista

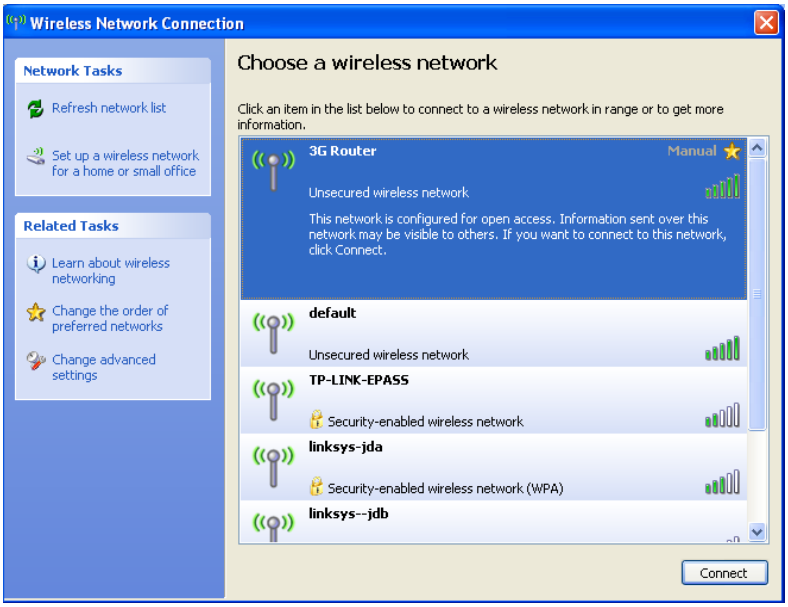
1. In the Windows task bar, click on Start and then click Control Panel.
2. Click on Network and Sharing Center.
3. Click on Manage Network Connection on the left menu.
4. Right click on Local Area Connection and click on Properties
5. The Local Area Connection dialog box will display a list of currently installed network items. Ensure that the check box to the left of the item labeled Internet Protocol Version 4 (TCP/IPv4) is checked. Select Internet Protocol Version 4 (TCP/IPv4) and click on Properties.
6. In the Internet Protocol Version 4 (TCP/IPv4) properties dialog box, click the radio button labeled Obtain an IP address automatically. Also click the radio button labeled Obtain DNS server address automatically.
7. Click OK twice to confirm your changes and close the Control Panel.

Using the Configuration Wizard

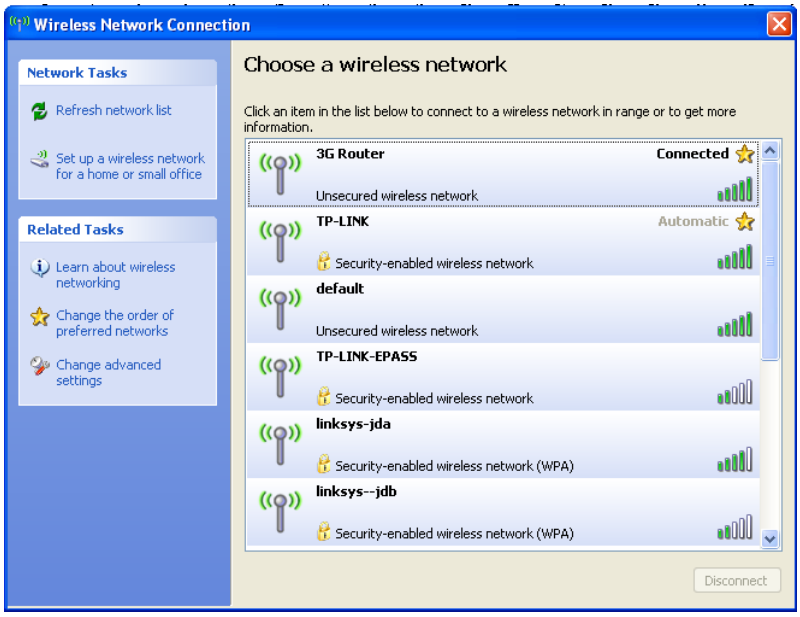
Having physically connected your DWR01-M 3G WiFi Portable Router, the next step is to establish the broadband connection to the internet. Please follow the steps below to configure your router via the web configuration wizard utility.

1. Connection

Detect the wireless Router in wireless network connection (shows as Fig.1.1)



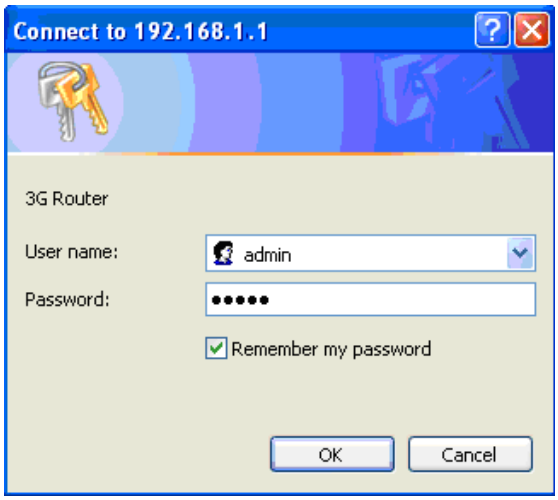
Then click ‘Connect’. Fig 1.2 shows that the connection is established.



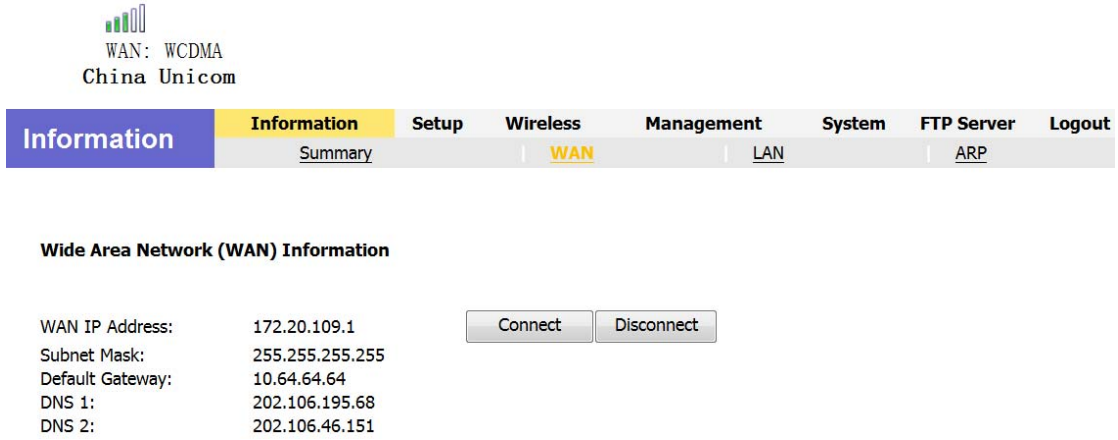
2. Login

Open a browser and type the IP address in the address bar, for example http://192.168.1.1.

When connection is established, the Login screen will appear. Type user name and password (default of both user name and password are ‘admin’), and click OK.



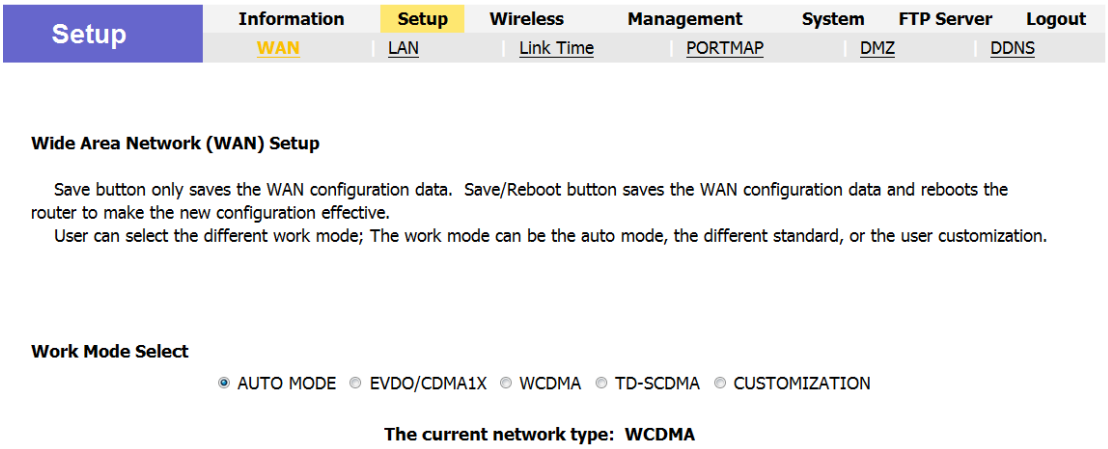
If user name and password are correct, the browser will enter into administrator mode.



3. Router Configuration

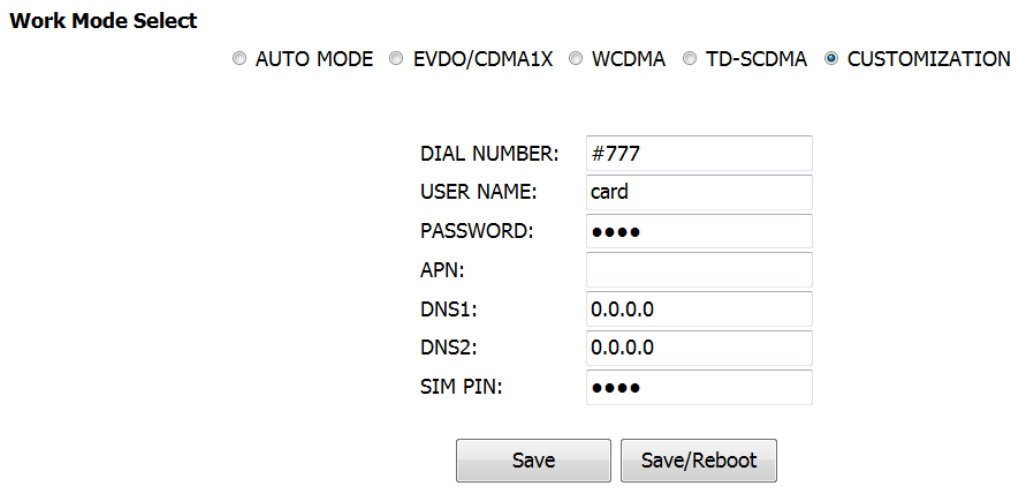
3.1 Setup

3.1.1 WAN Setup



You may select the appropriate 3G network according to the modem you use. Or you may select auto mode, the router can recognize the modem automatically and configure dialing information.

You may select customization mode and following screen will pop up.



Dial Number	The dial number provided by the ISP.
User Name	User name provided by the ISP.
Password	Password provided by the ISP.
APN	The Access Point Name provided by ISP.
DNS	The IP address of the Domain Name System, you may leave it blank since the value will be caught from the ISP.

3.1.2 LAN Setup

Configure the Router IP Address and Subnet Mask for LAN interface.

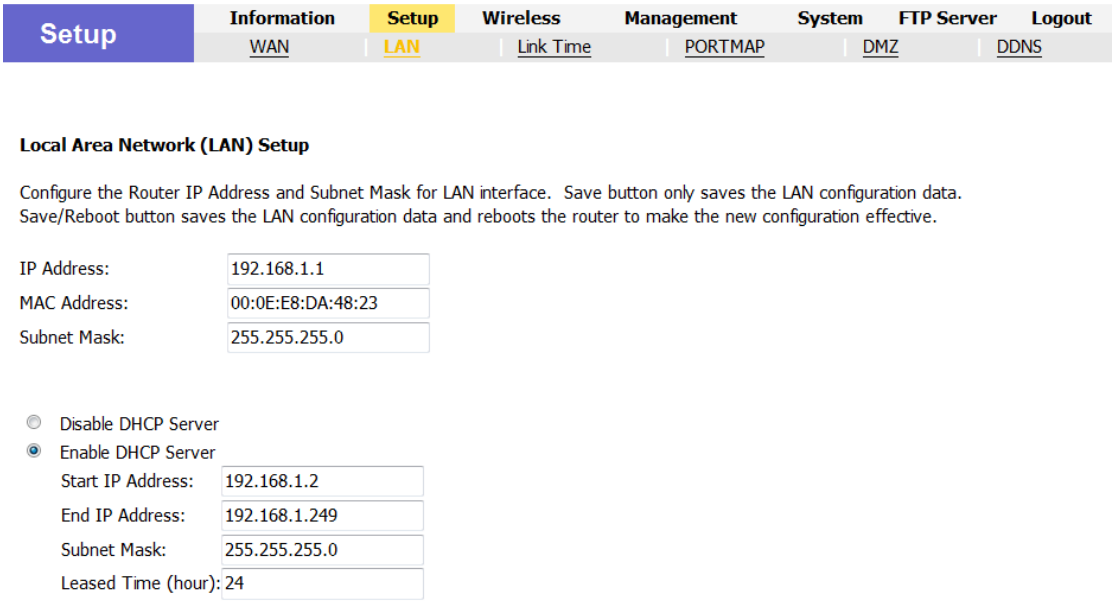
1. IP Address：The local IP of this device. The default IP address is 192.168.1.1, you may change it.

2. MAC Address： The MAC address of this device.

3. Subnet Mask：The subnet mask of the IP address, which usually is 255.255.255.0

4. DHCP：Disable or enable the DHCP server

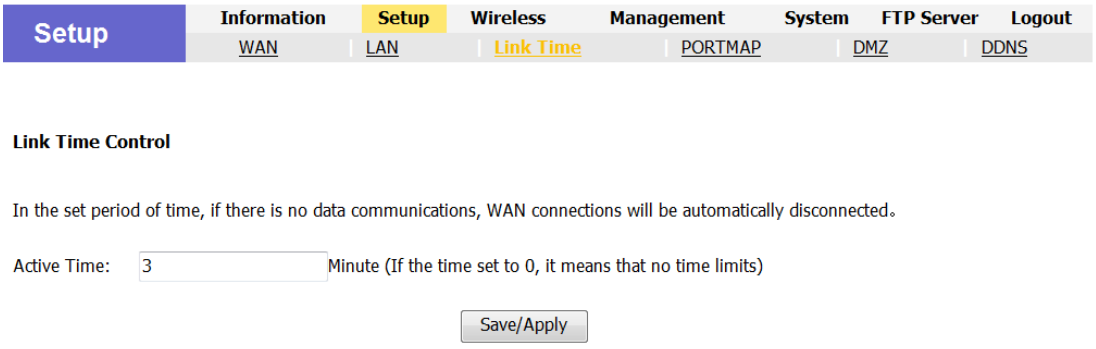
A. Start IP Address：to start the IP address automatically assigned by DHCP server.
B. End IP Address：to end the IP address automatically assigned by DHCP server.
C. Leased Time



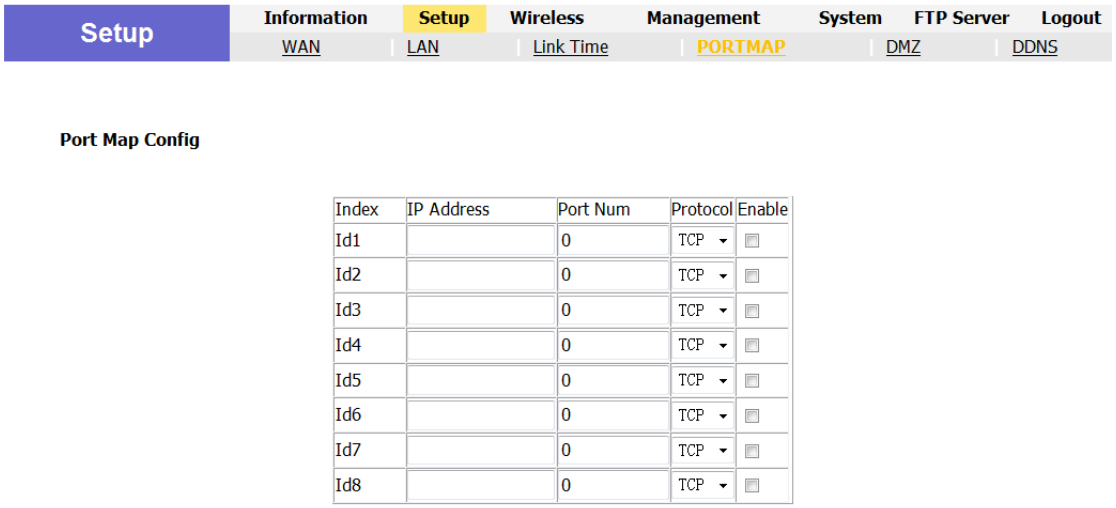
3.1.3 Link Time Control

In the set period of time, if there is no data communications, WAN connections will be automatically disconnected.

If the time set to 0, it means that no time limits

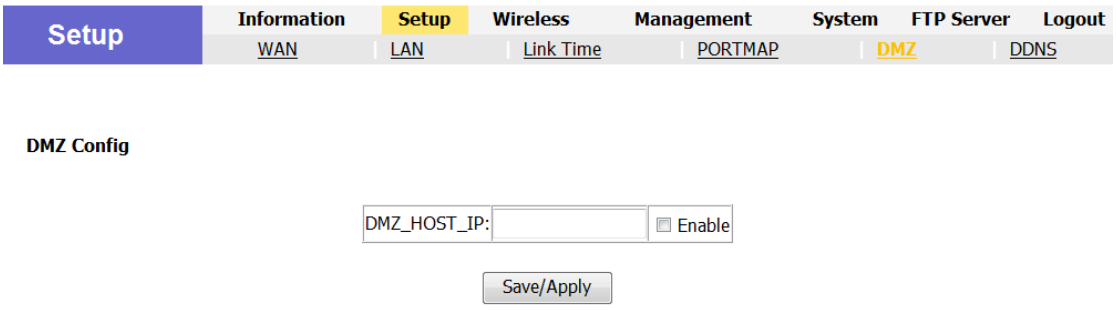


3.1.4 PORTMAP



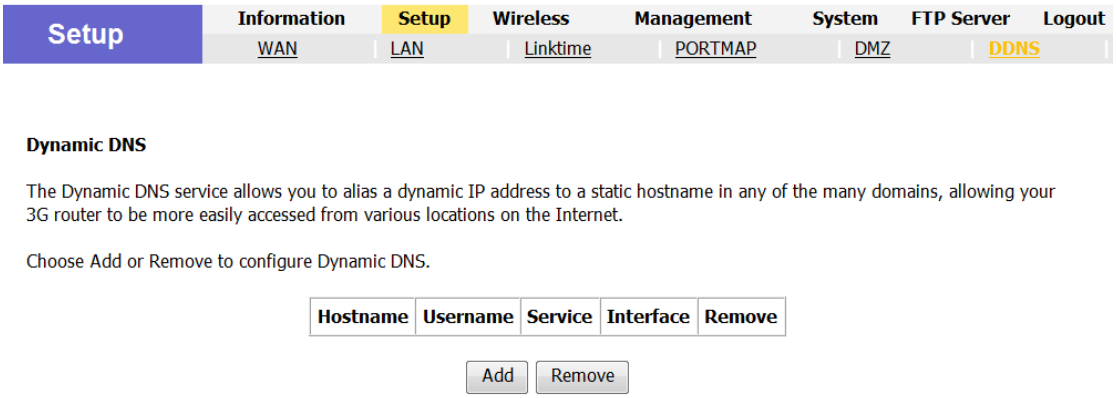
Enter the IP address , port number and protocol type, and then click *Enable* to save.

3.1.5 DMZ Setup

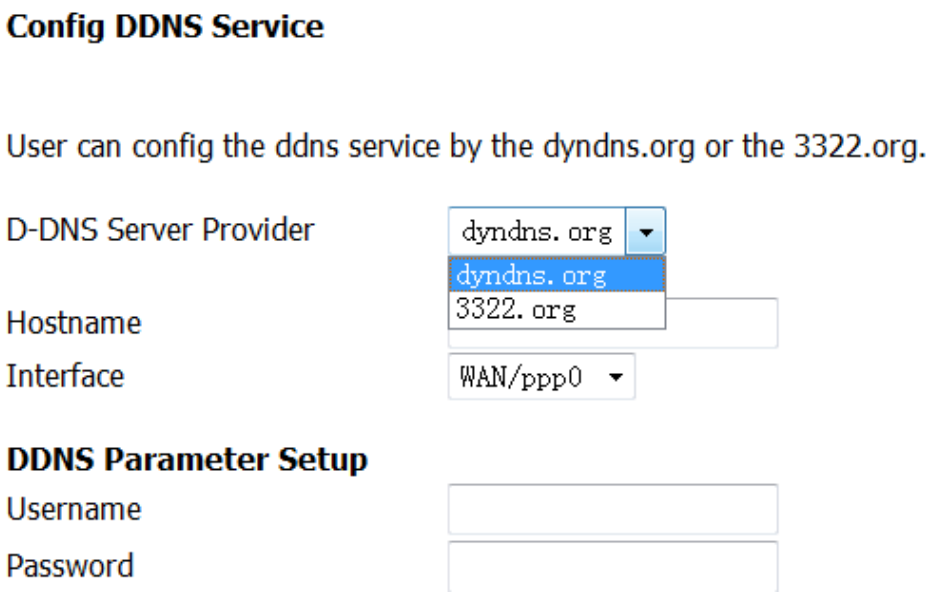


Enter the IP address of the DMZ you want to configure, and then click *Enable* to save.

3.1.6 DDNS Setup



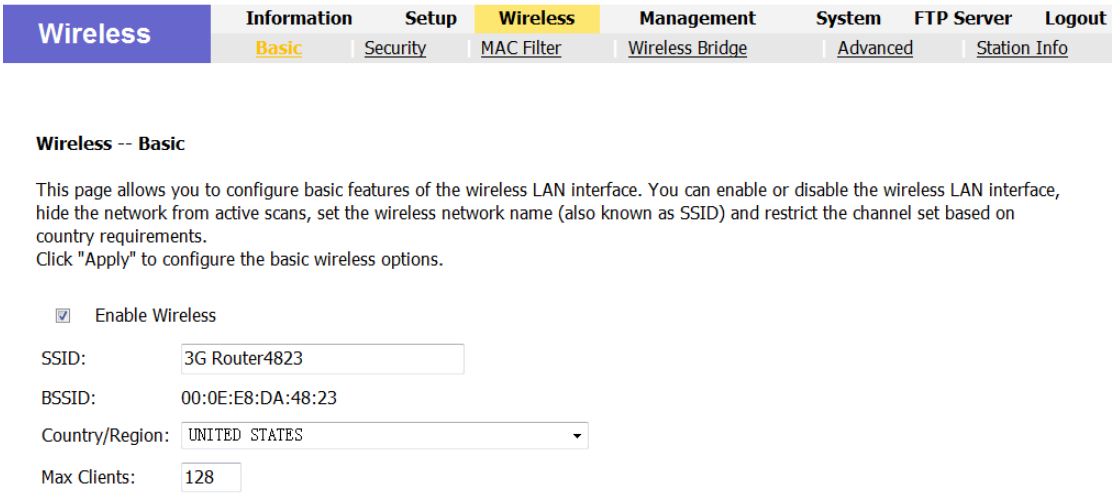
Click Add and following screen will pop up. Enter server provider, hostname, user name and password, and click button Save.



3.2 Wireless

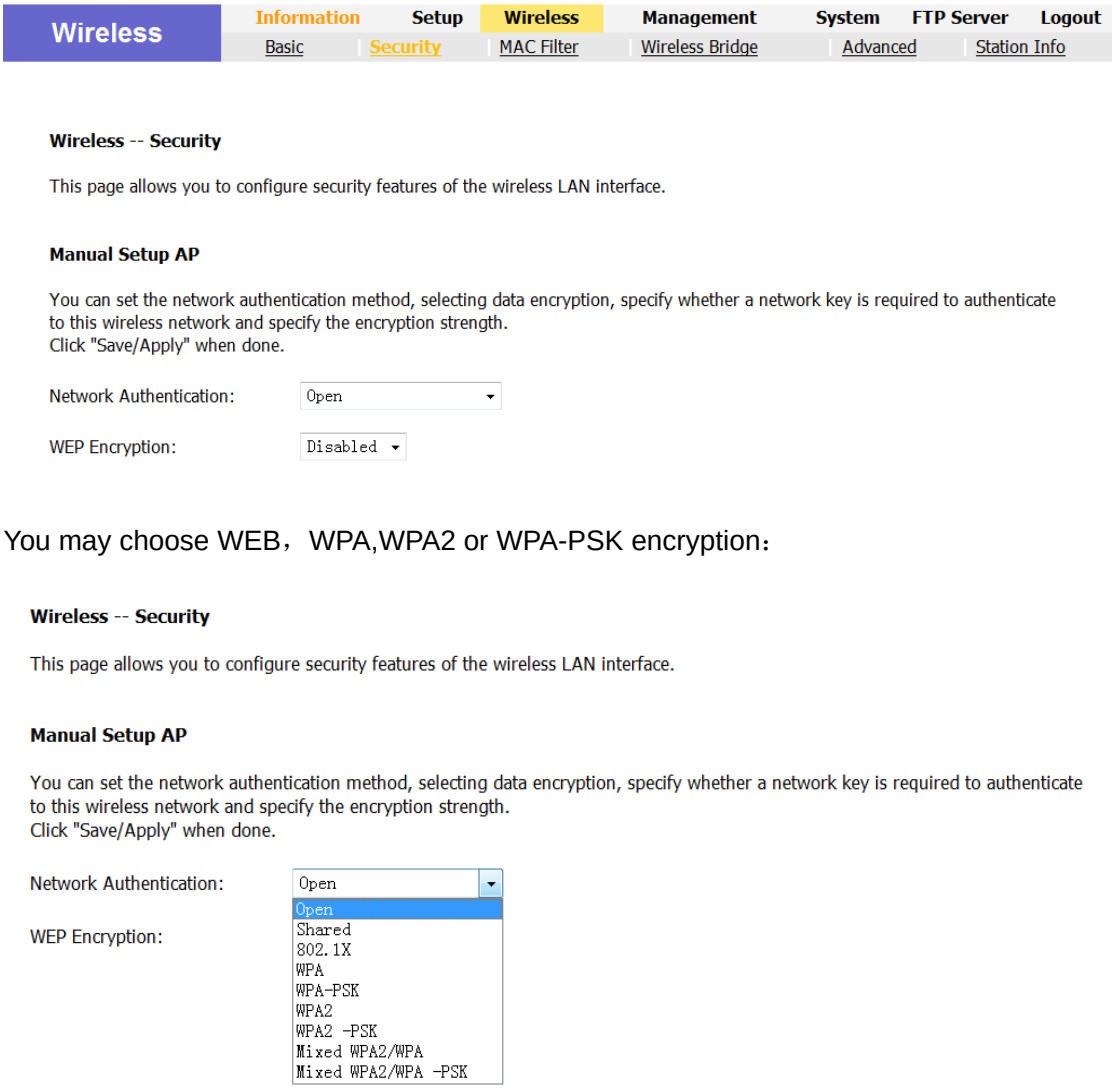
3.2.1 Basic

This page allows you to configure basic features of the wireless LAN interface, You can enable or disable the wireless LAN interface, hide the network from active scans, set the wireless network name(also known as SSID) and restrict the channel set based on country requirement.



3.2.2 Security

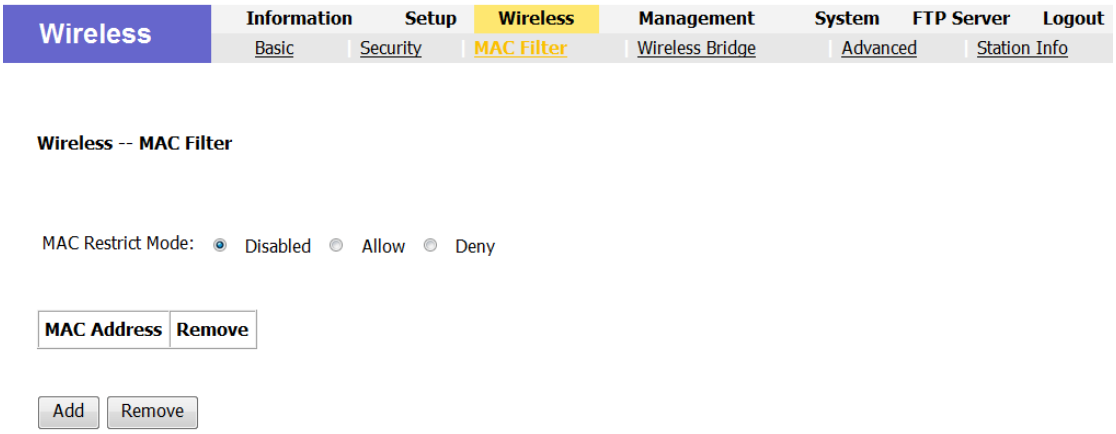
This page allows you to configure security features of the wireless LAN interface.



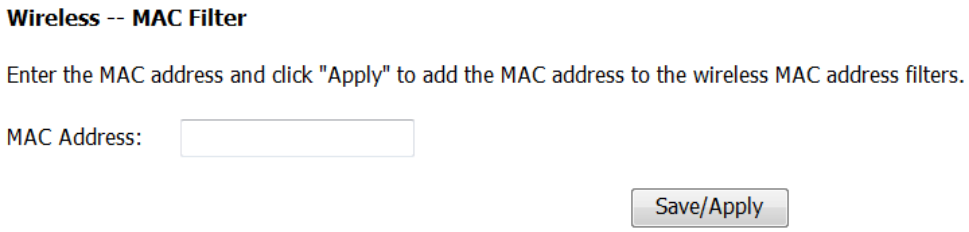
You may choose WEB，WPA,WPA2 or WPA-PSK encryption：

3.2.3 MAC Filter

This page allows you to configure MAC Filter.



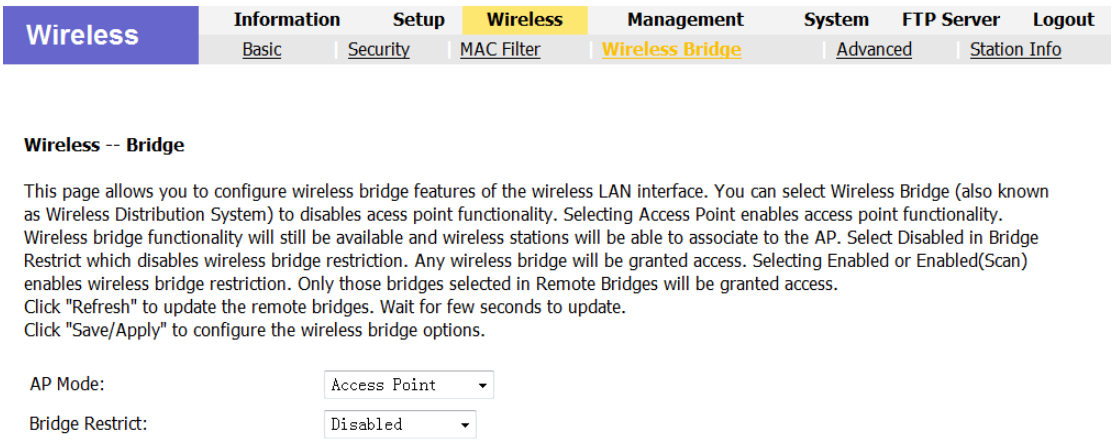
Click button Add:



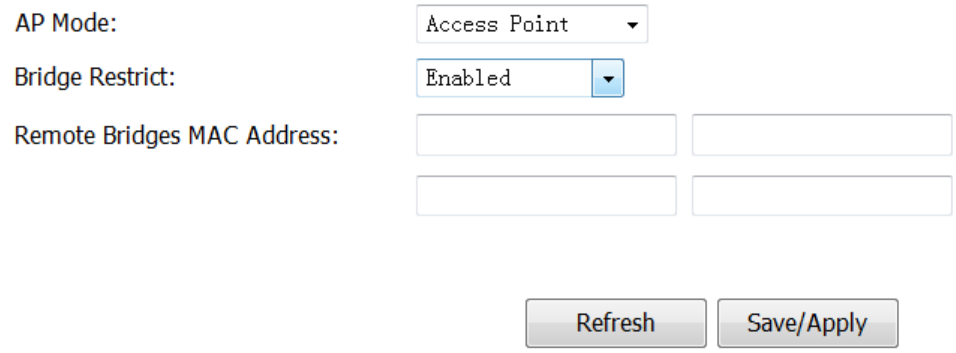
Enter the MAC address and click Apply to add the MAC address to the MAC address filters.

3.2.4 Wireless Bridge

This page allows you to configure wireless bridge features of the wireless LAN interface.



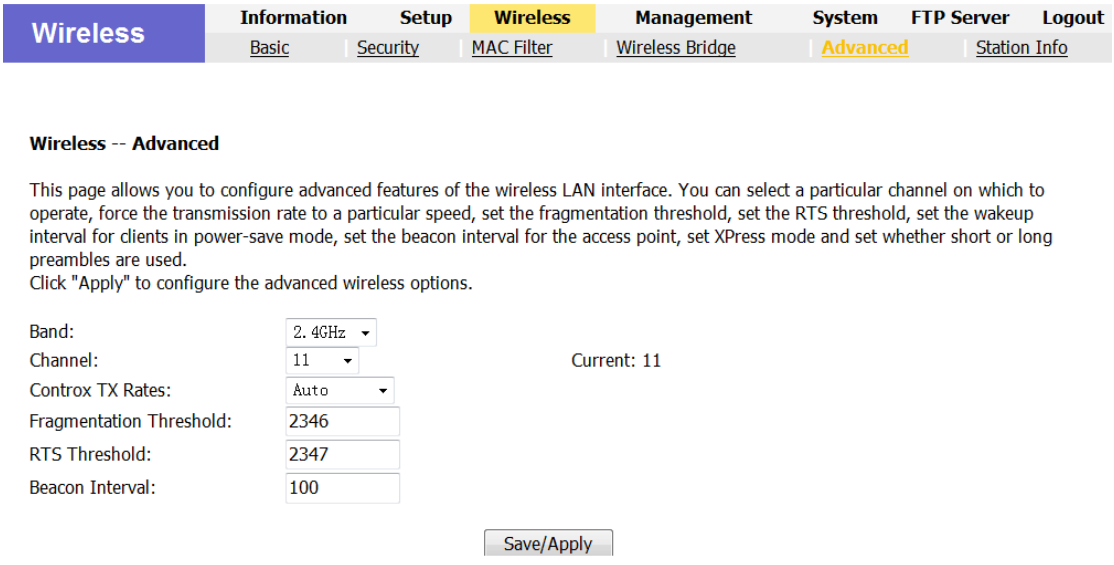
Select *Enable* to enable the bridge restrict and enter remote bridges MAC address.



Click *Save/Apply* to save the setting. If the bridged router has a password, you router is require to set the same password.

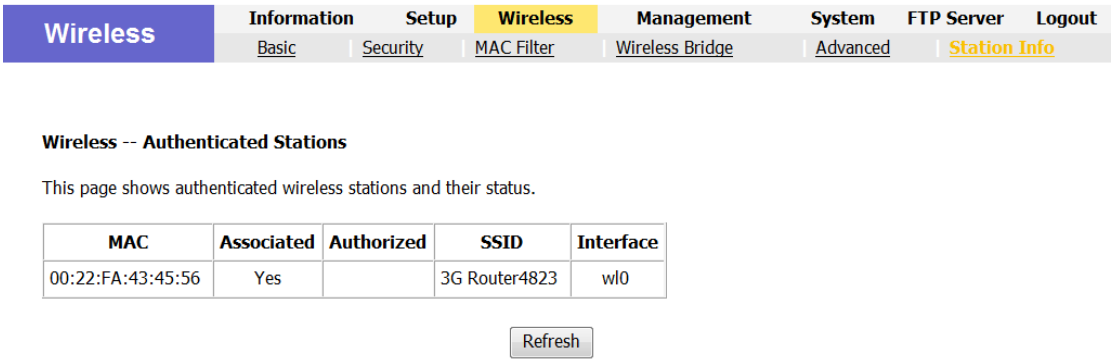
3.2.5 Advanced

This page allows you to configure advanced features of the wireless LAN interface.



3.2.6 Authenticated Stations

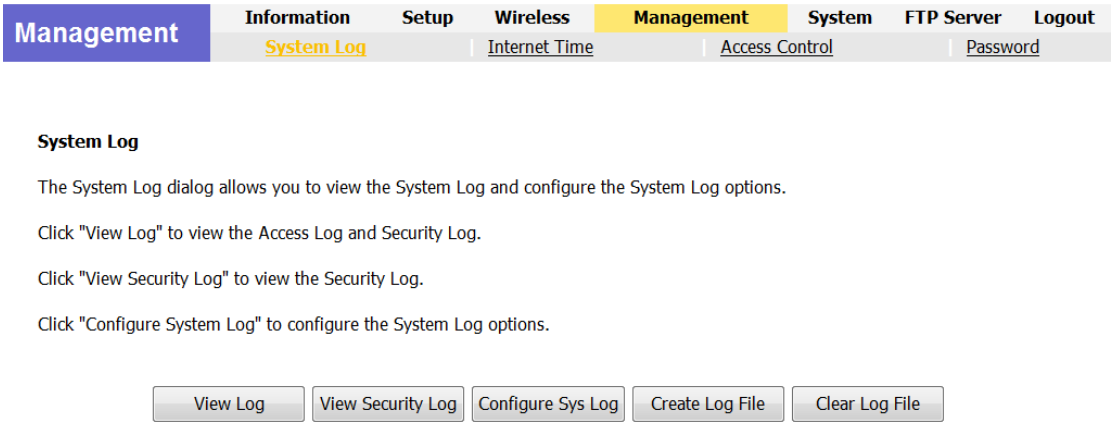
This page shows authenticated wireless stations and their status.



3.3 Management

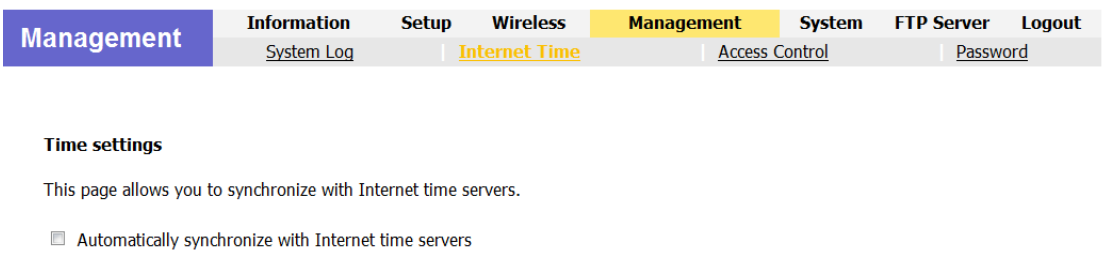
3.3.1 System Log

The System Log dialog allows you to view the System Log and configure the System Log options.



3.3.2 Internet Time

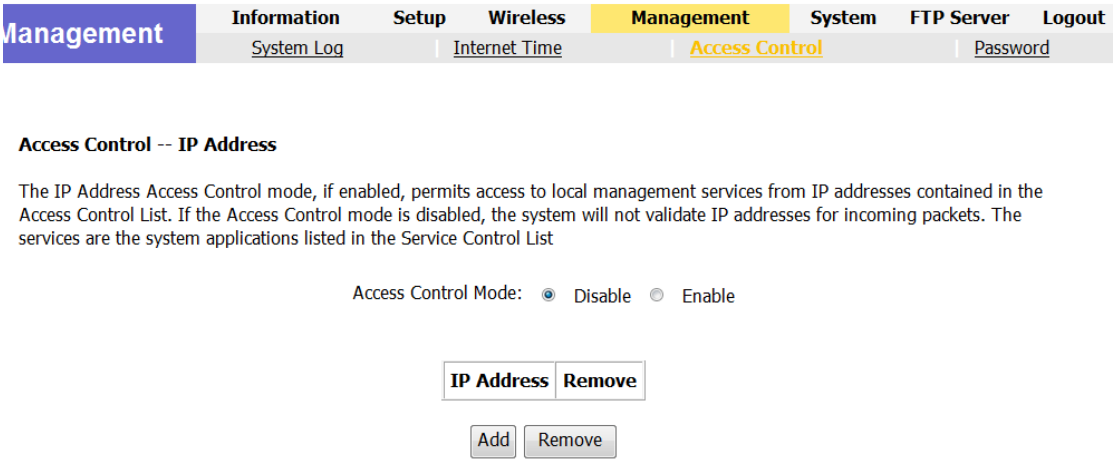
This page allows you to synchronize with Internet time servers.



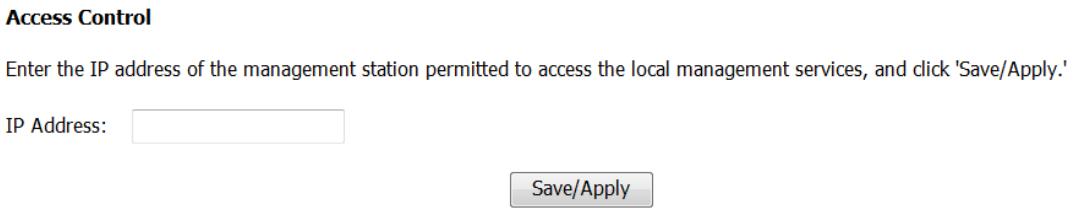
3.3.3 Access Control

1. IP Address Control

The IP Address Control mode, if enabled, permits access to local management service from IP addressed contained in the Access Control List. If the Access Control mode is disabled, the system wil not validate IP address for incoming packets.

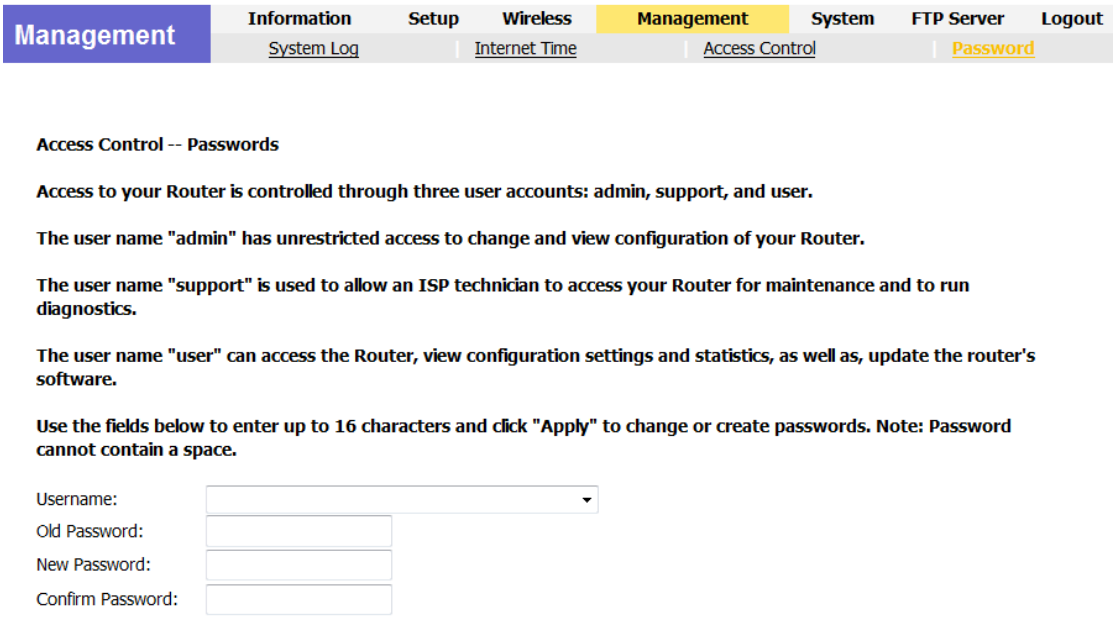


Click button *Add*, and enter the IP address you want to control and click button *Save/Apply* to save the setting.



3.3.4 Passwords

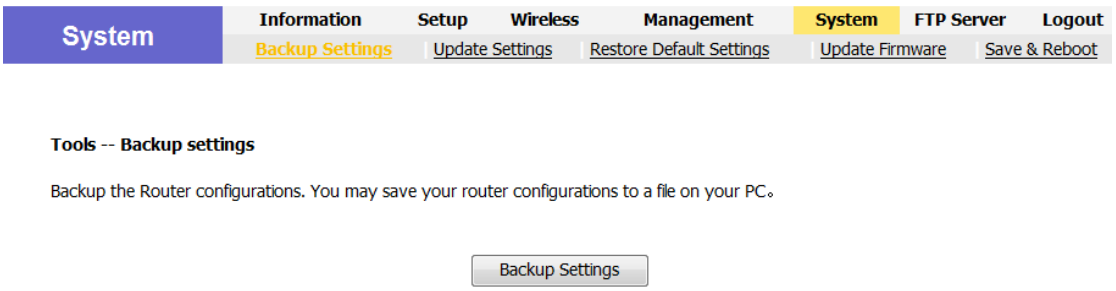
Set up password to access web page of the router.



3.4 System

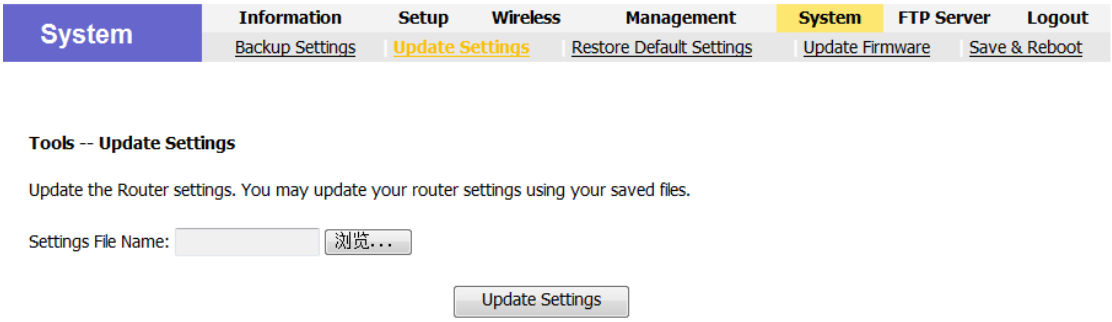
3.4.1 Backup

Backup the Router configurations.



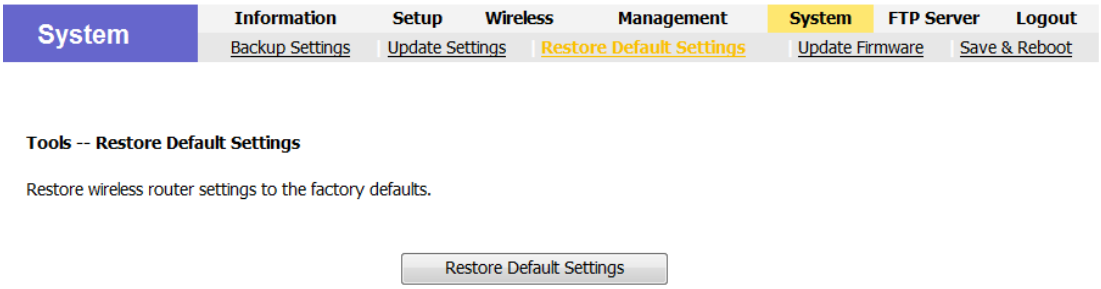
3.4.2 Update

This page allows you to update the router settings. You may update our routter settings using your saved files.



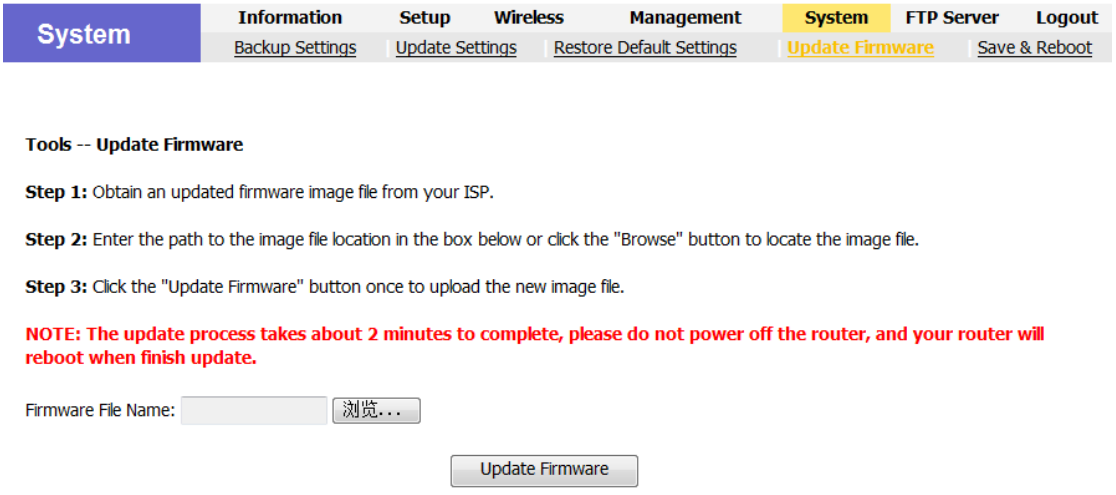
3.4.3 Restore Default Settings

Click the *Restore Default Settings* to restore default settings of the router.

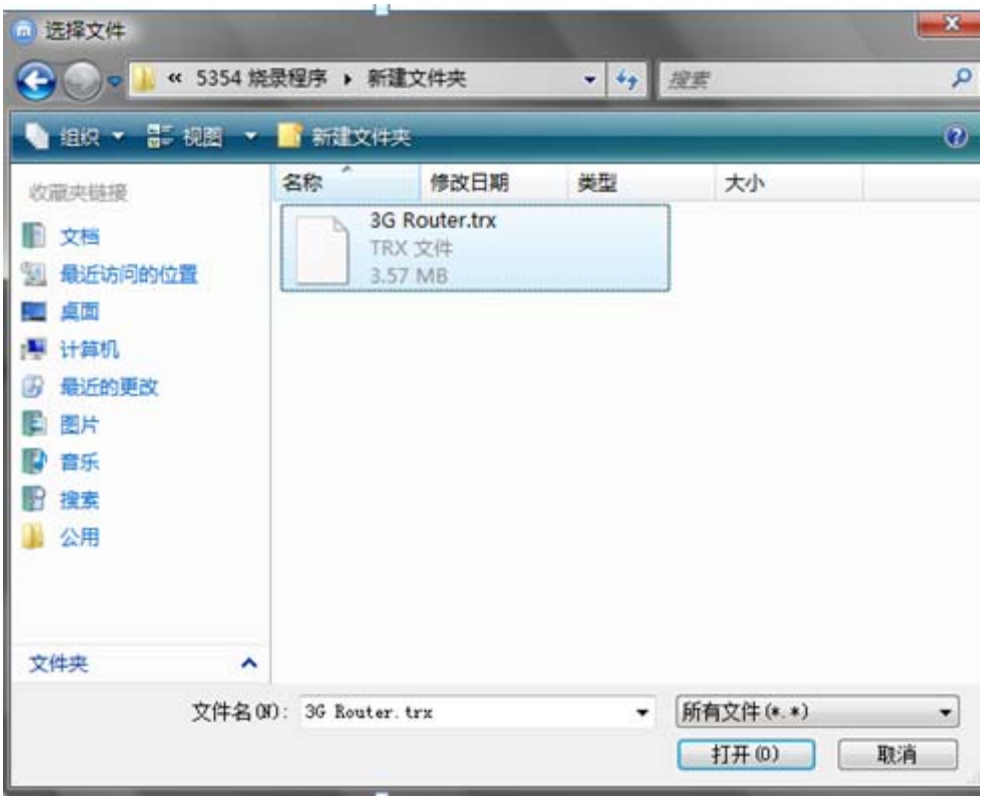


3.4.4 Update Software

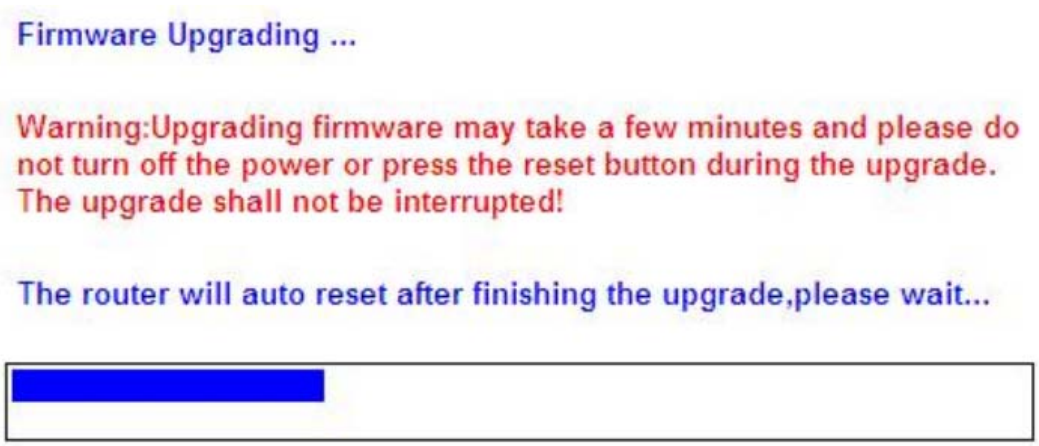
Update firmware of the Router.,.



Click Browse, choose a file



Click Update Software

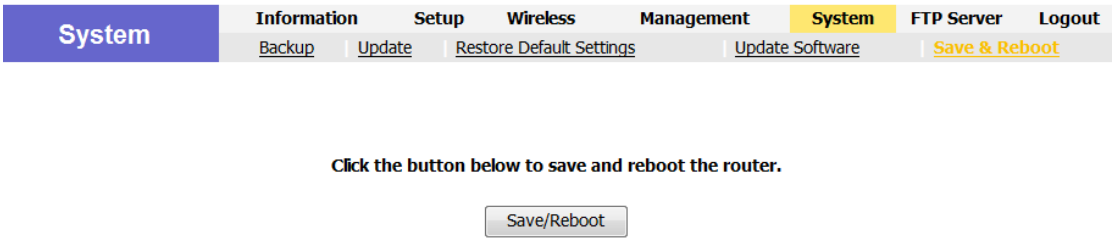


Wait for 2 minutes to complete the update.

Note: Make sure the power is not off during updating.

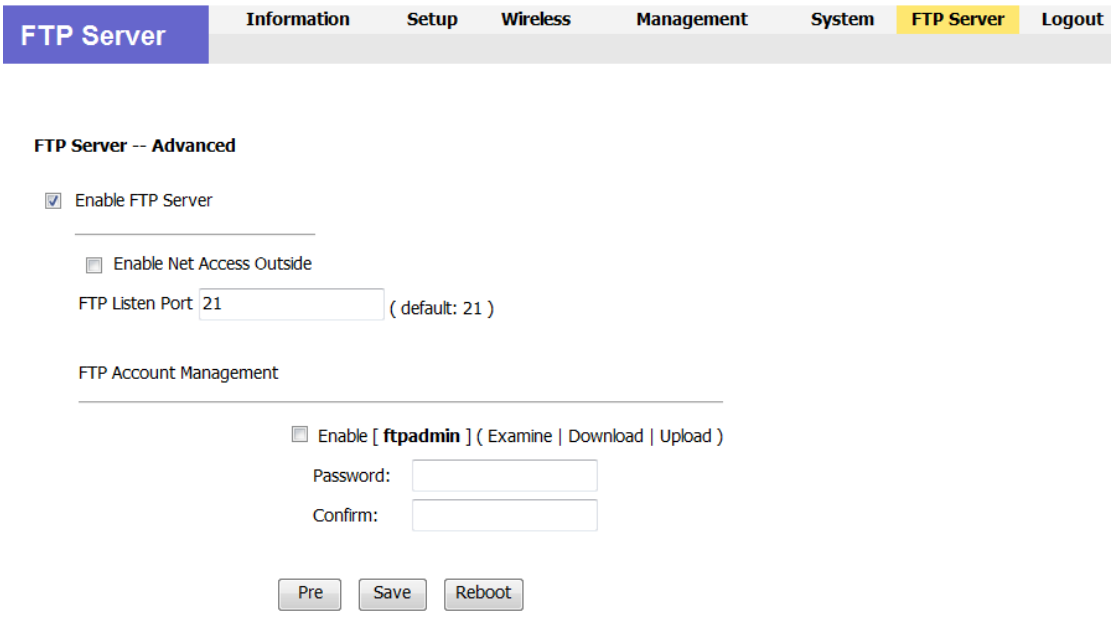
3.4.5 Save and reboot

Save the settings and reboot the Router.



3.5 FTP Server

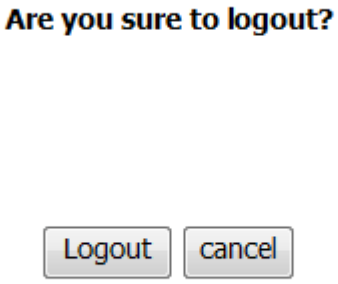
Enable FTP Server



Select *Enable[ftpadmin](Examine| Download |Upload)*

The default username is：ftpadmin，enter password and restart the router.

3.6 Logout



FCC WARNING

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

This device must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

NOTE: The manufacturer is not responsible for and radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user’s authority to operate the equipment.