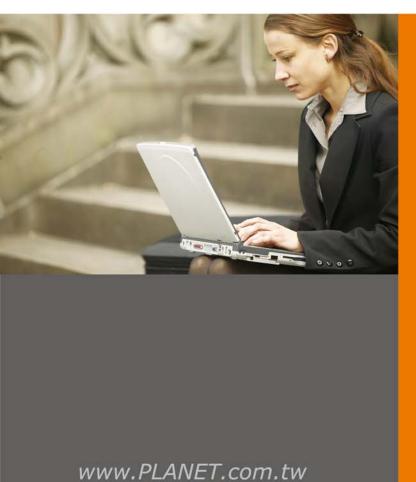


User's Manual



3G / 802.11n Wireless Portable Router

► WNRT-300G



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Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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:

- 1. Reorient or relocate the receiving antenna.
- 2. Increase the separation between the equipment and receiver.
- 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4. Consult the dealer or an experienced radio technician for help.

FCC Caution:

To assure continued compliance, (example-use only shielded interface cables when connecting to computer or peripheral devices) any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

- (1) This device may not cause harmful interference
- (2) 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.

Federal Communication Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm (8 inches) during normal operation.



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

Energy Saving Note of the Device

This power required device does not support Stand by mode operation.

For energy saving, please remove the DC-plug or push the hardware Power Switch to OFF position to disconnect

the device from the power circuit.

Without remove the DC-plug or switch off the device, the device will still consuming power from the power circuit. In the view of Saving the Energy and reduce the unnecessary power consuming, it is strongly suggested to switch off or remove the DC-plug for the device if this device is not intended to be active.

R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 1999/5/CE OF THE EUROPEAN PARLIAMENT AND THE COUNCIL OF 9 March 1999 on radio equipment and telecommunication terminal Equipment and the mutual recognition of their conformity (R&TTE).

The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

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	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

WEEE Regulation



To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

Revision

User's Manual for PLANET 3G / 802.11n Wireless Portable Router

Model: WNRT-300G

Rev: 1.0 (September, 2011)

Part No. EM-WNRT-300Gv1_v1.0 (2081-E50240-000)

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Chapter 1. Product Introduction

1.1. Package Contents

The following items should be contained in the package:

- WNRT-300G 3G Wireless Portable Router
- Power Adapter
- USB Cable
- Ethernet Cable
- Li-ion Battery
- Quick Installation Guide
- CD-ROM (User's Manual included)

If there is any item missed or damaged, please contact the seller immediately.

1.2. Product Description



3G/3.5G Broadband Sharing

PLANET 3G Wireless Portable Router, WNRT-300G, provides home and SOHO users a reliable and cost effective wireless solution by featuring 3G / WAN Internet access and high speed IEEE 802.11n wireless transmission. The WNRT-300G is equipped with one USB port for connection to mobile network of UMTS / HSPA via 3G/3.5G USB modem, and one WAN port for wired cable / xDSL service connection. The WNRT-300G provides more flexible and easier way for users to share an instant wireless network service via 3G modem wherever at Home, Hotspot, or in public places like transportation, outdoor events, and etc.

Multiple Wireless Network Technologies for Greater Access

PLANET Wireless Portable Broadband Router, the WNRT-300G features 802.11n radio with 1T1R antenna technology compliant with 802.11b/g/n standards. Compared with general wireless routers, the WNRT-300G offers more powerful and flexible capability for business demands to access Internet with true mobility and range extension of wireless network.

More Flexibility and Mobility

With the tiny-sized and stylish design, the WNRT-300G is easy to carry for the true mobility. It can

operate in various environments with the hardware switch modes including **AP**, **Router**, and **Client**, which helps to immediately set up a wireless network without software configuration. The portable design and operation flexibility make the WNRT-300G suitable for travelling, moving and outdoor applications.



Figure 1-1

Built-in High Capacity Battery

The WNRT-300G has one built-in rechargeable lithium battery and its power supplied through mini USB interface. The power can be directly charged via the computer's USB port which increases the convenience even when there is no power outlet available.

One-touch Secure Wireless Connection

In order to simplify security settings for home and SOHO network, the WNRT-300G supports **W**i-Fi **P**rotected **S**etup (**WPS**) with configuration in PBC and PIN type. Just push the WPS button or key in the PIN code, the secure connection between the WNRT-300G and the wireless clients can be built immediately, which offers users a convenient and fast method to construct a secure wireless network.



Figure 1-2

Wide Range of Wireless Security Support

To secure the wireless communication, the WNRT-300G supports most up-to-date encryptions including WPA/WPA2-PSK with TKIP/AES. Made to fulfill enterprise and various applications demand, the WNRT-300G enhances security and management features such as multiple SSID and IEEE 802.1Q VLAN support. It can create up to 5 virtual standalone AP with 5 different SSID according to individual security levels and encryption scheme of various wireless devices. Even more, the VLAN support allows multiple SSID to access Internal VLAN topology.

Advanced Firewall Security

In the Router mode, the WNRT-300G supports NAT functions and allows multiple users to access Internet via only one single legal IP. It provides Port Forwarding and DMZ for LAN PC to act as an application server. Furthermore, the advanced firewall by the WNRT-300G can protect your Intranet clients from unauthorized accesses and various DoS attacks from the Internet. In aspect of the firewall, the WNRT-300G provides IP/ MAC/ Port/ URL filtering, and prevents possible hackers attack.

Easy Setup Anytime Anywhere

The WNRT-300G provides a total solution for home and business users. With the High Speed 802.11n wireless technology, the WNRT-300G is easy to integrate the wireless devices with existing wired network.

1.3. Product Features

> 3G / 3.75G Mobile Internet Connection

- Dual Network Interfaces: WAN port for cable or wired xDSL service + 3G mobile connection
- Compatible with UMTS / HSPA Mobile Network

Industrial Compliant Wireless LAN & LAN

- Compliant with IEEE 802.11n wireless technology capable of up to 150Mbps data rate
- Backward compatible with 802.11b/g standard
- Equipped with one 10/100Mbps RJ-45 Ethernet port for LAN/WAN, Auto MDI/MDI-X supported

Wireless Network Range Extender

- Multiple Wireless Modes: AP, WDS, Repeater, Universal Repeater, Client
- Support WMM (Wi-Fi Multimedia), Wireless QoS
- Support IAPP (Inter Access Point Protocol), Wireless Roaming

Fixed-network Broadband Router

- Supported Internet types: Dynamic IP/ Static IP/ PPPoE/ L2TP/ PPTP
- Support Static & Dynamic (RIP1 and 2) Routing
- Support IP / MAC-based Bandwidth Control
- Support 802.1d STP & IGMP Proxy

Secure Network Connection

- Advanced security: 64/128-bit WEP, WPA-Enterprise/WPA2-Enterprise and WPA-PSK/WPA2-PSK with TKIP/AES Encryption, 802.1x Authentication
- Built-in NAT firewall features with Port/ IP/ MAC/ URL Filtering, and DoS protection.
- Support 802.1Q VLAN

Advanced Networking function for Specific Application

- Support multiple sessions IPSec, L2TP, PPTP, and IPv6 VPN pass-through
- Support Port Forwarding, DMZ, UPnP and Dynamic DNS for various networking applications
- Support DHCP Server

Easy to install & Management

- Web-based UI and Setup Wizard for easy configuration
- System status monitoring includes DHCP Client, System Log

Flexible usage & Business-oriented design

- Portable and Pocket-sized design for true mobility
- Hardware switchable operation modes: Router / AP / Client
- One-touch Wi-Fi Protected Setup (WPS)
- Built-in rechargeable Li-ion battery

1.4. Product Specification

	WNRT-300G					
Product	3G / 802.11n Wireless Portable Router					
Hardware Specification						
Intentos	LAN/WAN	1 x 10/100Mbps Auto MDI/MDI-X RJ45 port				
Interface	USB	JSB 1 x USB 2.0 port for UMTS / HSPA 3G Modem				
	Gain	1 x Internal 2dBi Antenna				
Antenna	Orientation	Omni-directional				
	Front panel (from left to right):					
	Mode Selection Switch (Router/Client/AP)					
	WPS Button					
Button/Switch	Power On/Off	Switch				
Button/Switch						
	Rear panel:					
	Reset button					
	*Push for abo	ve 5 seconds to reset to factory default settings				
LED Indicators	Power, Wire	eless LAN Active, WPS Active, WAN/LAN Link, 3G Active, Battery				
LLD malcators	Charge					
Material	Plastic					
Wireless interface Spec	cification					
Standard	Compliance v	vith IEEE 802.11b/g/n				
Frequency Band	2.4~2.4835GHz					
Extend Frequency	DSSS					
Modulation Type	DBPSK, DQF	PSK, QPSK, CCK and OFDM (BPSK/QPSK/16-QAM/ 64-QAM)				
Data Transmission	11n: Up to 150Mbps (Dynamic)					
Rates	11g: Up to 54Mbps (Dynamic)					
	11b: Up to 11	Mbps (Dynamic)				
Transmission	Indoor up to 100m					
Distance	outdoor up to 300m (it is limited to the environment)					
		C: 2.412~2.462GHz (11 Channels)				
Channel	Europe/ ETSI: 2.412~2.472GHz (13 Channels)					
	-	C: 2.412~2.484GHz (14 Channels)				
Max. RF Power	20 dBm (EIRP)					
		8m@10% PER				
Receive Sensitivity 54M: -68dBm@10% PER						
	11M: -85dBm@8% PER					
Software Features						
	■ AP					
Operation Mode	■ Router					
Operation wode	■ Client					
	(Switchable b	y H/W)				
Wireless Mode	AP, WDS, Re	epeater (WDS+AP), Universal Repeater (AP+Client)				

	WEP (64/128-bit) encryption security
Encryption Security	WPA-Enterprise / WPA2-Enterprise (TKIP/AES)
	WPA-Personal / WPA2-Personal (TKIP/AES)
	802.1x Authentication
	Provide wireless LAN ACL (Access Control List) filtering
Wireless Security	Wireless MAC address filtering
Wileless Security	Support WPS (Wi-Fi Protected Setup)
	Enable/Disable SSID Broadcast
	WMM(Wi-Fi Multimedia): 802.11e Wireless QoS
Wireless Advanced	IAPP(Inter Access Point Protocol): 802.11f Wireless Roaming
	Provide Wireless Statistics
	Shares data and Internet access for users, supporting following internet access:
	■ 3G
Internet Connection	■ PPPoE
	■ Dynamic IP
Type	■ Static IP
	■ PPTP
	■ L2TP
	NAT firewall with SPI (Stateful Packet Inspection)
	Built-in NAT server supporting Port Forwarding, and DMZ
Firewall	Built-in firewall with IP address/ MAC address/ Port/ URL filtering
	Support ICMP-FLOOD, UDP-FLOOD, TCP-SYN-FLOOD filter, DoS protection
	Support 802.1Q VLAN up to 4
Routing Protocol	Static / Dynamic (RIP1 and 2) Routing
VPN Pass-through	PPTP, L2TP, IPSec, IPv6
	Built-in DHCP server supporting static IP address distributing
	Support UPnP, Dynamic DNS
LAN	Support IGMP Proxy
	Support 802.1d STP (Spanning Tree)
	IP / MAC-based Bandwidth Control
	Web-based (HTTP) management interface
	SNTP time synchronize
System Management	Easy firmware upgrade
	System Log supports Remote Log
Standards Conformand	ce
	IEEE 802.11n (1T1R, up to 150Mbps)
	IEEE 802.11g
IEEE Standards	IEEE 802.11b
	IEEE 802.11i
	IEEE 802.3 10Base-T
	IEEE 802.3u 100Base-TX
	IEEE 802.3x Flow Control
Others Protocols and Standards	CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP

Chapter 2. Hardware Interface

2.1. Overview

Front Panel



Rear Panel

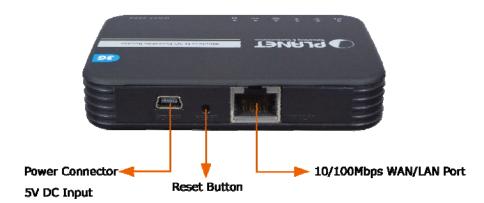


Figure 2-2

Side Panel

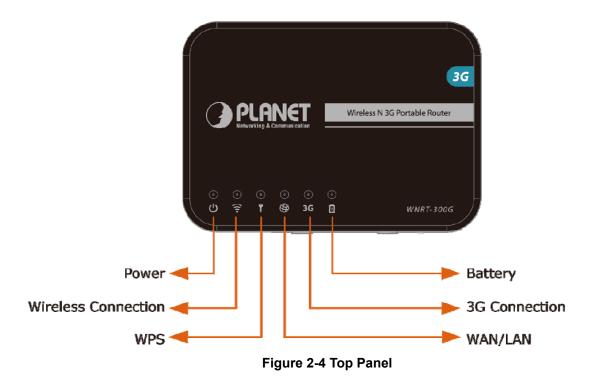


Figure 2-3

Object	Description
WPS Button	Press the button for about 5 seconds to activate the WPS function.
Reset	Reset the WNRT-300G to the factory default settings by holding the
	Reset button and pressing down for about 5 seconds.

2.2. LED Indications

The LEDs on the top panel indicate the instant status of system power, wireless data activity, WPS, port links, battery, and help monitor and troubleshoot when needed. Figure 2-3 and Table 2-1 show the LED indications of the WNRT-300G.



LED Definition

LED	COLOR	STATE	FUNCTION
		On	Device power on
U Power	Green	Off	Device power off
		Flash	Low battery power
		Flash	The Wireless function is enabled.
₩LAN	Blue	Off	The Wireless function is disabled.
•		On	WPS is activated
T WPS	Blue	Off	WPS is not activated

		1	
		On	Link is established
₩ wan/Lan	Blue	Off	No Ethernet device connected
		Flash	Packets are transmitting or receiving
26		On	3G connection is enabled.
^{3G} 3G Connection	Blue	Off	3G connection is disabled.
6		On	Charging
■ Battery Status	Red	Off	Charging complete/ no external power input

Table 2-1

Chapter 3. Installation Guide

3.1. System Requirements

- Broadband Internet Access Service (Cable / xDSL / Ethernet connection)
- One Cable/xDSL Modem that has an RJ-45 connector (not necessary if the WNRT-300G is connected directly to the Ethernet.)
- PCs with a working Ethernet Adapter and an Ethernet cable with RJ-45 connectors
- PC of subscribers running Windows 98/ME, NT4.0, 2000/XP, Windows Vista / Win 7, MAC OS 9 or later, Linux, UNIX or other platform compatible with TCP/IP protocols
- Above PC installed with WEB Browser



It is recommended to use Internet Explore 7.0 or above to access the WNRT-300G.

3.2. Typical Application

Please shift the hardware switch on the WNRT-300G to change the operation mode.

3.2.1. Router Mode



In Router Mode, the NAT (Network Address Translation) function and DHCP server are both enabled, and all wireless clients share the same public IP assigned by ISP through WAN port of the WNRT-300G. The WNRT-300G is supposed to connect with the Cable / xDSL Modem by UTP cable.



Figure 3-1

3.2.2. AP Mode



In AP Mode, the NAT (Network Address Translation) function and DHCP server are both disabled, and all wireless clients obtain the IP address from the network device connected with LAN port of the WNRT-300G. They can certainly assign the IP address for themselves as well in the Control Panel of Windows. The WNRT-300G is supposed to bridge to the Ethernet directly by UTP cable.

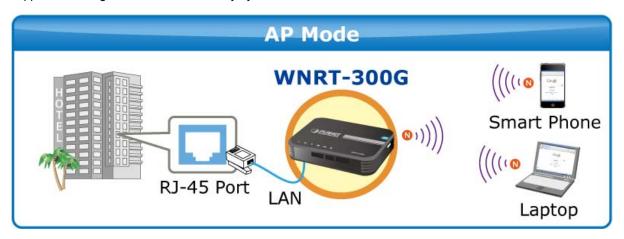


Figure 3-2

3.2.3. Client Mode



In Client Mode, the WNRT-300G is supposed to act as a wireless station for the PC. Users can site survey the available local AP and choose someone to connect with.



Figure 3-3

3.3. Manual Network Setup - TCP/IP Configuration

The default IP address of the WNRT-300G is **192.168.1.1**, and the default Subnet Mask is **255.255.255.0**. These values can be changed as you desire in the web UI of the WNRT-300G. In this section, we use all the default values for description.

No matter you want to configure the WNRT-300G via wired or wireless connection, the PC need to be assigned an IP address first. Before you connect the local PC to the WNRT-300G via wired or wireless connection, please configure the IP address for your PC in the following two ways first.

- Obtain an IP address automatically
- Configure the IP address manually

The following sections will introduce how to install and configure the TCP/IP correctly in **Windows 7**. First, make sure your Ethernet Adapter is working, and refer to the Ethernet adapter's manual if needed.

3.3.1. Obtain an IP Address Automatically

If you are sure the DHCP server of WNRT-300G is enabled (the default setting of Router Mode), you can set up the TCP/IP Protocol in "**Obtain an IP address automatically**" mode on your PC. And then the WNRT-300G built-in DHCP server will assign an IP address to the PC automatically.

- 1) On the Windows taskbar, click the **Start** button, point to **Control Panel**, and then click it.
- 2) Under the **Network and Internet** icon, click on the **View network status and tasks.** And then click **Change adapter settings**.

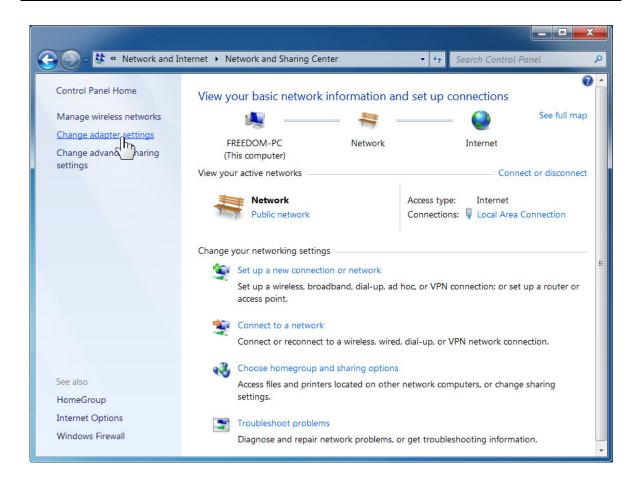


Figure 3-4

3) Right-click on the Wireless Network Connection, and select Properties in the appearing window.

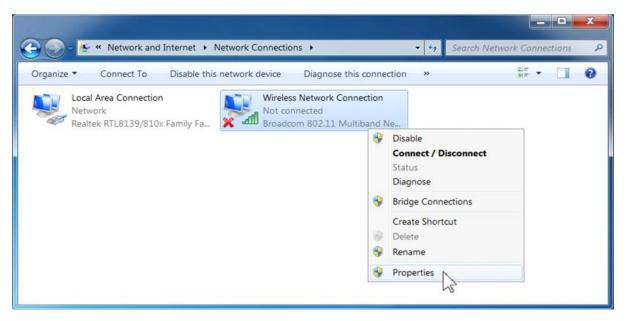


Figure 3-5

4) In the prompt window shown below, double click on the Internet Protocol Version 4 (TCP/IPv4).

Wireless Network Connection Properties

Networking

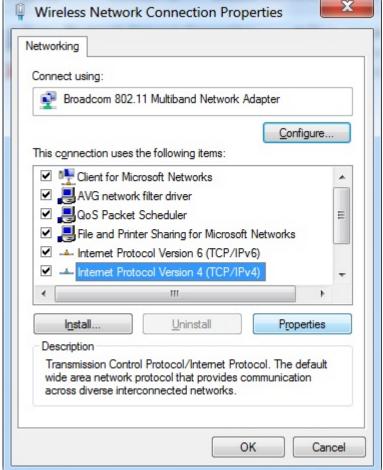


Figure 3-6

5) Choose **Obtain an IP address automatically**, and **Obtain DNS server address automatically** as shown in the figure below. Then click **OK** to save your settings.

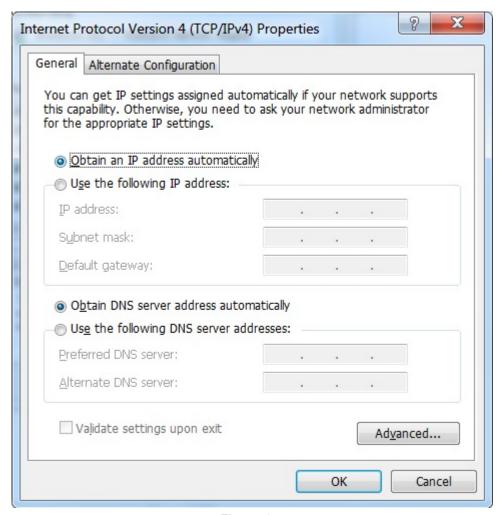


Figure 3-7

3.3.2. Configure the IP address manually

If you are sure the DHCP server of WNRT-300G is disabled (the default setting of AP Mode and Client Mode), you can configure the IP address manually. The IP address of your PC should be 192.168.1.xxx (the same subnet of the IP address of WNRT-300G, and "xxx" is any number from 2 to 254), Subnet Mask is 255.255.255.0, and the Gateway is 192.168.1.1 (The default IP address of WNRT-300G)

- 1) Continue the settings from the last figure, select **Use the following IP address** radio button.
- 2) If the LAN IP address of the WNRT-300G is 192.168.1.1, enter IP address 192.168.1.x (x is from 2 to 254), and Subnet mask 255.255.255.0.
- 3) Enter the LAN IP address of the WNRT-300G (the default IP is 192.168.1.1) into the Default gateway field.
- 4) Select Use the following DNS server addresses radio button. In the Preferred DNS Server field, you can enter the DNS server IP address provided by your local ISP. Then click OK to save your settings.

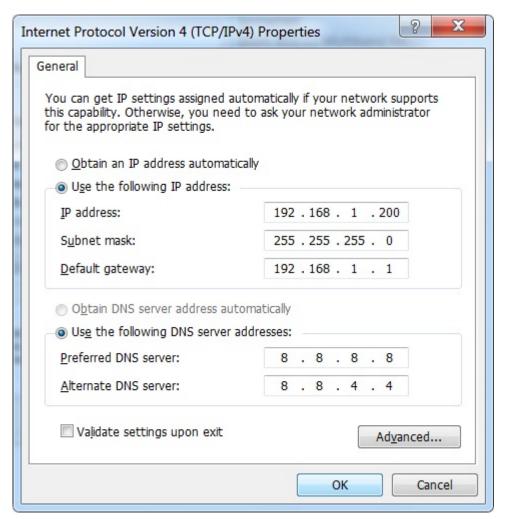


Figure 3-8

3.4. Hardware Installation

Please follow the instructions below to build the wireless network connection between WNRT-300G and your computers.



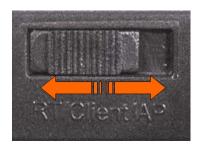
Do not dispose of the battery in a fire or any other high-temperature place as it may explode. Before you start using the WNRT-300G, please follow the procedures below to install and charge the battery.

- **Step 1:** Remove the battery cover, and insert the attached battery into the slot. Then replace the cover back.
- Step 2: Charge the battery by the attached power adapter and USB cable. The red LED will be lit up.
- Step 3: The battery needs to be charged for 8 hours in the first time. When the battery is fully charged, the red LED will be off.



Before installing the WNRT-300G, make sure your PC is connected to the Internet through the broadband service successfully at this moment. If there is any problem, please contact your local ISP. After that, please install the WNRT-300G according to the following steps.

Step 1. Please shift the hardware switch on the WNRT-300G to the operation mode you want to use, and follow the figure below to install it for the purpose of configuration.



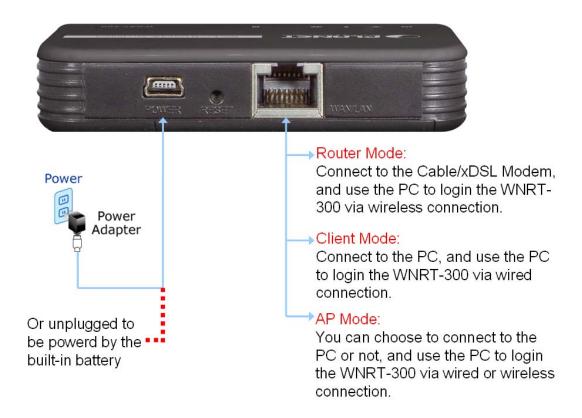


Figure 3-9

Step 2. Please turn on the WNRT-300G.

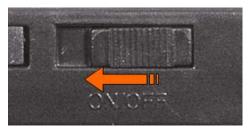


Figure 3-10

The procedures of hardware installation are finished. Please continuously follow the next section to start setup in the web UI.



If you want to configure the WNRT-300G via wireless connection, please use your PC to site survey the wireless signal of WNRT-300G, and connect your PC with it wirelessly.

Default SSID: default

*Default Wireless Security: None



Figure 3-11

3.5. Starting Setup in Web UI

It is easy to configure and manage the WNRT-300G via web browser. To access the web UI of the WNRT-300G, please open a web browser and enter the default IP address http://192.168.1.1 in the address field of the browser.



Figure 3-12

After a moment, a login window will appear. Enter the User Name and Password. Then click the **OK** button.



Figure 3-13 Login Window

Default User name: admin

Default Password: admin



If the above screen does not pop up, it may mean that your web-browser has been set to 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.

After you enter the username and password, the main screen appears as Figure 3-14



Figure 3-14 WNRT-300G Web UI Screenshot

The next chapter will introduce the functions of the web UI.

Chapter 4. Configuration in Web UI

4.1. Login

After successfully logging into the web UI of the WNRT-300G, you will see the main menus on the left side of the web-based utility. There are some different options appear as the operation mode changes. For example, the figure below is the menus of Router Mode in the web UI.



Figure 4-1 The Menu of Router Mode in The Web UI

The details for the functions in each operation mode are listed in the following sections.

4.2. Setup Wizard

No matter what operation mode you switch to on the WNRT-300G, the first screen you enter into the web UI is the Setup Wizard. It will guide the user to configure the WNRT-300G easily and quickly. There are different procedures in different operation modes. According to the operation mode you switch to, please follow the instructions below to configure the WNRT-300G via Setup Wizard.

■ Router Mode





Step 1. The figure below is the screen of the Setup Wizard in Router Mode. Please click the "Next>>" button to continue.

Setup Wizard The setup wizard will guide you to configure access point for first time. Please follow the setup wizard step by step. Welcome to Setup Wizard. The Wizard will guide you the through following steps. Begin by clicking on Next. 1. WAN Interface Setup

Figure 4-2

Step 2. Please select the corresponding WAN connection type of your Internet service, and fill the correct parameters in the blanks. Then click the "Finished" button to save the settings and reboot to take effect.

1. WAN Interface Setup			
This page is used to configure t your Access Point.	he parameters for Internet network which connects to the WAN port of		
WAN Access Type:	USB3G 💌		
USB 3G Modem:	USB3G DHCP Client		
ISP:	PPPoE Static IP		
User Name:	PPTP L2TP		
Password:	LZ11		
PIN:			
APN:			
Dial Number:			
	Cancel < <back finished<="" th=""></back>		

Figure 4-3

Next>>

■ AP Mode





Step 1. The figure below is the screen of the Setup Wizard in AP Mode. Please click the "Next>>" button to continue.

Setup Wizard The setup wizard will guide you to configure access point for first time. Please follow the setup wizard step by step. Welcome to Setup Wizard. The Wizard will guide you the through following steps. Begin by clicking on Next. 1. Set Wireless Network Name 2. Select Wireless Security Mode

Figure 4-4

Step 2. Please enter the SSID for recognizing the wireless connection. The default setting is "default". Then click the "Next>>" button to continue.

1. Set Wireless Network Name		
You can enter the Wireless Network Name of AP.		
Wireless Network Name(SSID):	default	
	Cancel < <back next="">></back>	

Figure 4-5

Step 3. Please select the wireless security mode, and setup the password for wireless connection. Then click the "Finished" button to save the settings and reboot to take effect.

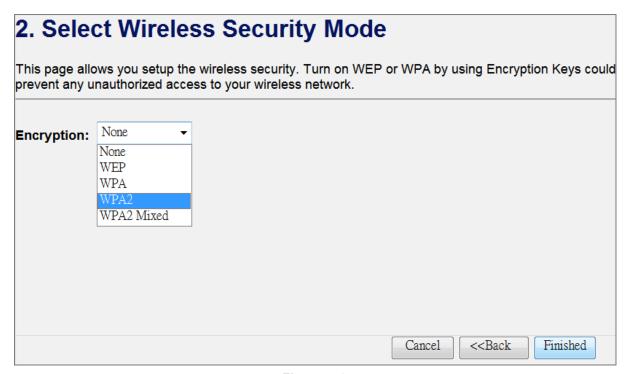


Figure 4-6

■ Client Mode





Step 1. The figure below is the screen of the Setup Wizard in Client Mode. Please click the "Next>>" button to continue.

Setup Wizard The setup wizard will guide you to configure access point for first time. Please follow the setup wizard step by step. Welcome to Setup Wizard. The Wizard will guide you the through following steps. Begin by clicking on Next. 1. Set Wireless Network Name 2. Select Wireless Security Mode

Next>>

Figure 4-7

Step 2. Please enter the SSID of the AP you want to connect with, or you can click the "**Site Survey**" button to search the available local AP. The details of the available AP will appear. Then choose the AP you want to connect to, and click the "Next>>" button to continue.

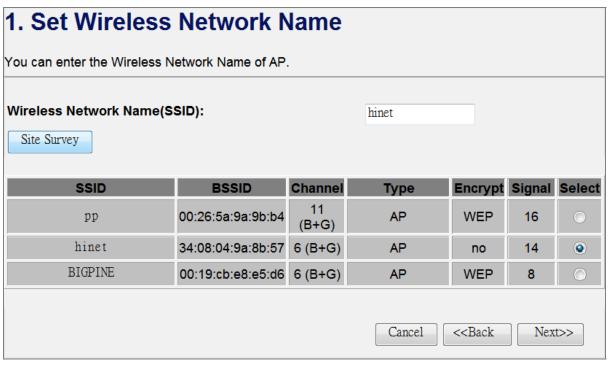


Figure 4-8

Step 3. Please select the correct encryption method of the AP you chose before, and enter the password of it. Then click the "Finished" button to save the settings and reboot to take effect.

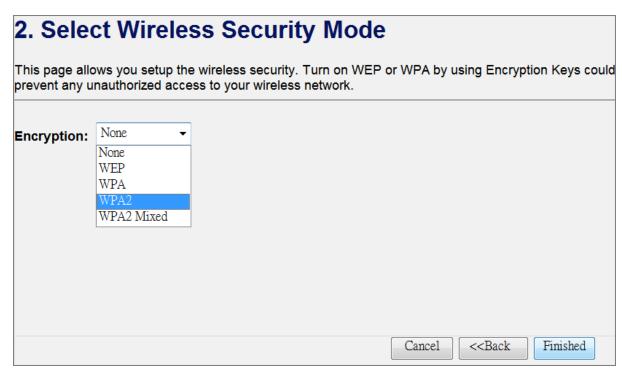


Figure 4-9

4.3. Operation Mode

This page shows the current operation mode, but users can only change it by shifting the hardware switch on the WNRT-300G.

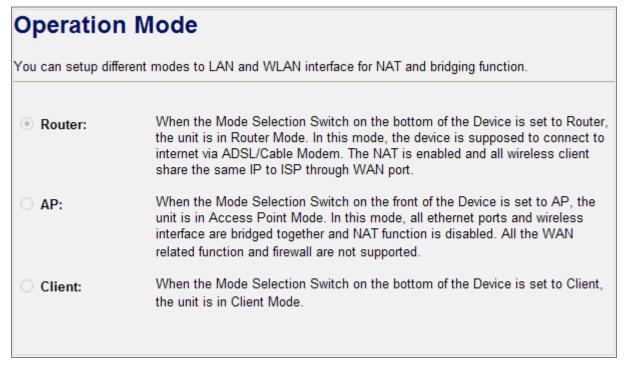


Figure 4-10

4.4. Wireless

The Wireless menu contains submenus of the settings about wireless network. Please refer to the following sections for the details.



Figure 4-11

4.4.1. Basic Settings

Choose menu "Wireless → Basic Settings", and you can configure the basic settings for the wireless network in this page. After the configuration, please click the "Apply Changes" button to save the settings.

Wireless Basic Settings This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point. Here you may change wireless encryption settings as well as wireless network parameters. Disable Wireless LAN Interface Band: 2.4 GHz (B+G+N) V Multiple AP Mode: AP Network Type: Infrastructure v default SSID: Channel Width: 40MHz 🕶 Control Sideband: Upper v **Domain Region:** FCC Channel Number: Auto 🕶 Broadcast SSID: Enabled WMM: Enabled Data Rate: Auto 🕶 **Associated Clients:** Show Active Clients Enable Mac Clone (Single Ethernet Client) Enable Universal Repeater Mode (Acting as AP and client simultaneouly) default-Repeater SSID of Extended Interface:

Figure 4-12 Wireless Basic Settings

Apply Changes

Reset

Object	Description	
Disable Wireless LAN	Check the box to disable the wireless function.	
Interface		
Band	Select the desired mode. Default is "2.4GHz (B+G+N)". It is strongly recommended that you set the Band to "2.4GHz (B+G+N)", and all of 802.11b, 802.11g, and 802.11n wireless stations can connect to the WNRT-300G.	
	 2.4 GHz (B): 802.11b mode, rate is up to 11 Mbps 2.4 GHz (G): 802.11g mode, rate is up to 54 Mbps 2.4 GHz (N): 802.11n mode, rate is up to 150 Mbps(1T1R) 2.4 GHz (B+G): 802.11b/g mode, rate is up to 11 Mbps or 54 Mbps 2.4 GHz (G+N): 802.11g/n mode, rate is up to 54 Mbps or 150 Mbps 	

	■ 2.4 GHz (B	s +G+N) : 802.11b/g/	/n mode, rate is up	to 11 Mbps,54	
	Mbps, or 15		,		
Mode	There are AP, V selection. If you submenu for the AP" button to e Multiple APs This page shows and update No. Enable Bane AP1 V 2.4 GHz (B-AP2 V 2.4 GHz (B-AP3) 2.4 GHz (B-AP4) 2.4 GHz (B	VDS, AP+WDS, and select WDS or AF e related configurate anable multiple SSIE es the wireless setting for multiple A sSID Data Rate with with default VAP Auto with the setting for multiple A state with the setting for multi	Broadcast SSID Enabled Enabled Enabled Enabled Enabled	"WDS Settings"	
Network Type	the user can u	ise the PC equippork via other access hoc mode to operate	N serves as a wireled the WNRT-3000 point. In Ad hoc , the.	G to access the	
COLD			_ _ £ £ :_ "_ _£ £"		
SSID	the wireless ne	The ID of the wireless network and default is "default". User can access the wireless network through it only. However, if you switch to Client Mode, this field becomes the SSID of the AP you want to connect with.			
Channel Width	You can select	You can select 20MHz or 40MHz.			
Control Sideband	You can select	You can select Upper or Lower .			
Domain Region	country. Please	The Domain Region decides which channels are available for you country. Please note that using the incorrect Domain Region is strict prohibited. If you live in United States, you must use the FCC Domain Region. If you live inside EU, you must use ETSI domain.			
		Domain Region	Country		
		FCC	USA		
		IC	Canada		
		ETSI	Europe		
		SPAIN	Spain		
		FRANCE	France		
		MKK	Japan		
		ISRAEL	Israel		

	Default : ETSI		
Channel Number	You can select the operating frequency of wireless network.		
Broadcast SSID	If you enable "Broadcast SSID", every wireless station located within the coverage of the WNRT-300G can discover its signal easily. If you are building a public wireless network, enabling this feature is recommended. In private network, disabling "Broadcast SSID" can provide better wireless network security. Default is "Enabled".		
WMM	WMM function can guarantee the packets with high-priority messages being transmitted preferentially. Default is "Enabled".		
Data Rate	Default is "Auto".		
Associated Clients	Click the "Show Active Clients" button to show the status table of active wireless clients.		
Enable Mac Clone (Single Ethernet Client)	Enable Mac Clone.		
Enable Universal Repeater Mode (Acting as AP and client simultaneously)	It is only available in Client Mode. Universal Repeater is a technologused to extend wireless coverage. To enable Universal Repeater Mode, check the box and enter the SSID you want to broadcast in field below. Then please click "Security" submenu for the relatestings of the AP you want to connect with.		
	Internet Wireless Router Laptop Wireless Router Laptop iPad		

Table 4-1

4.4.2. Advanced Settings

Choose menu "Wireless → Advanced Settings", and you can configure the advanced settings for the wireless network in this page. After the configuration, please click the "Apply Changes" button to save the settings.

Wireless Advanced Settings

These settings are only for more technically advanced users who have a sufficient knowledge about wireless LAN. These settings should not be changed unless you know what effect the changes will have on your Access Point.

Fragment Threshold:	2346	(256-2346)
RTS Threshold:	2347	(0-2347)
Beacon Interval:	100	(20-1024 ms)
Preamble Type:	Long Prea	mble Short Preamble
IAPP:	Enabled	Obisabled
Protection:	 Enabled 	Disabled
Aggregation:	Enabled	Obisabled
Short GI:	Enabled	Obisabled
WLAN Partition:	 Enabled 	Disabled
RF Output Power:	⊙ 100%	70% ○50% ○35% ○15%
Apply Changes	Reset	

Figure 4-13 Wireless Advanced Settings

Object	Description
Fragment Threshold	You can specify the maximum size of packet during the fragmentation of data to be transmitted. If you set this value too low, it will result in bad performance. Default is "2346".
RTS Threshold	When the packet size is smaller the RTS threshold, the access point will not use the RTS/CTS mechanism to send this packet. Default is "2347".
Beacon Interval	The interval of time that this access point broadcast a beacon. Beacon is used to synchronize the wireless network. Default is "100".
Preamble Type	Preamble type defines the length of CRC block in the frames during the wireless communication. "Short Preamble" is suitable for high traffic wireless network. "Long Preamble" can provide more reliable communication. Default is "Long Preamble".

IAPP	IAPP (Inter-Access Point Protocol) enabled is recommendation that describes an optional extension to IEEE 802.11 that provides wireless access-point communications among multivendor systems. Default is "Enabled".	
Protection	It is recommended to enable the protection mechanism. This mechanism can decrease the rate of data collision between 802.11b and 802.11g wireless stations. When the protection mode is enabled, the throughput of the AP will be a little lower due to many of frame traffic should be transmitted. Default is "Disabled".	
Aggregation	It is a function where the values of multiple rows are grouped together. Default is "Enabled"	
Short GI	It is used to set the time that the receiver waits for RF reflections to settle out before sampling data. Default is "Enabled"	
WLAN Partition	This feature also called "WLAN isolation" or "Block Relay". If this is enabled, wireless clients cannot exchange data through the WNRT-300G. Default is "Disabled".	
RF Output Power	Users can adjust the wireless output power here. Default is "100%".	

Table 4-2

4.4.3. Security

Choose menu "Wireless → Security", and you can configure the settings of wireless security for the wireless network in this page. After the configuration, please click the "Apply Changes" button to save the settings.



Figure 4-14 Wireless Security

Object	Description	
Select SSID	Select the SSID you want to configure the wireless security function,	
	includes the root one and the client one.	
Encryption	Disable:	
	No security setup for wireless connection.	
	WEP:	
	It is based on the IEEE 802.11 standard. And the default setting of	
	authentication is Automatic, which can select Open System or	
	Shared Key authentication type automatically based on the wireless	
	station's capability and request. Furthermore, you can select Key	
	Length and enter 10 & 26 Hexadecimal digits (any combination of	
	0-9, a-f, A-F, zero key is not promoted) or 5 & 13 ASCII characters in	
	the Encryption Key field.	
	WPA / WPA2 / WPA-Mixed:	
	When you select the authentication mode based on Enterprise	
	(Radius Server), please enter the IP Address, Port, and Password	
	of the Radius Server. When you select the other authentication mode	
	based on Personal (Pre-Shared Key), please enter at least 8 ASCII	
	characters (Passphrase) or 64 Hexadecimal characters. All of the	
	Cipher Suites support TKIP and AES .	

802.1x Authentication	Enable 802.1x authentication function, then please enter the IP
	Address, Port, and Password of the Radius Server.

Table 4-3

4.4.4. Access Control

Choose menu "Wireless → Access Control", you can choose to allow or deny the computer of specified MAC address to connect with the WNRT-300G in this page. After the configuration, please click the "Apply Changes" button to save the settings.



Figure 4-15 Wireless Access Control

Object	Description
Wireless Access	You can choose to set the Allowed-List, Denied-List, or disable this
Control Mode	function.
MAC Address	Enter the MAC address you want to allow or deny to connect to the
	WNRT-300G in the field.
Comment	You can make some comment for each MAC address on the list.
Current Access Control	You can select some MAC address, and click the "Delete Selected"
List	button to delete it.

Table 4-4

4.4.5. WDS Settings

Wireless Distribution System (WDS) uses wireless media to communicate with other APs, like the Ethernet does. To do this, 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.

Choose menu "Wireless → WDS Settings", and you can configure WDS to connect the WNRT-300G with another AP in this page. After the configuration, please click the "Apply Changes" button to save the settings.

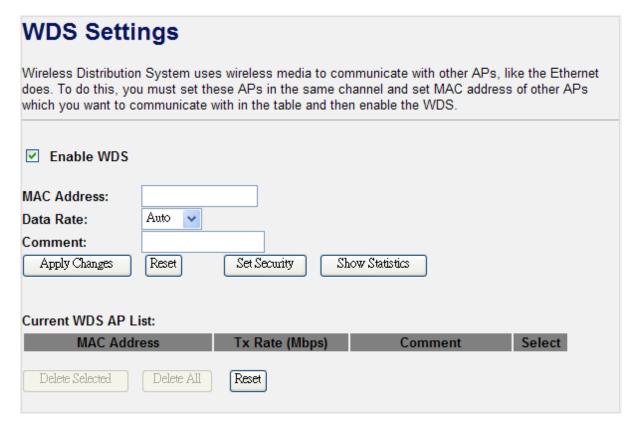


Figure 4-16 WDS Settings

Object	Description	
Enable WDS	Check the box to enable the WDS function. Please select WDS or	
	AP+WDS in the Mode of Wireless Basic Settings before you enable	
	WDS in this page.	
MAC Address	You can enter the MAC address of the AP you want to connect with.	
Data Rate	Default is "Auto".	
Comment	You can make some comment for each MAC address on the list.	
Set Security	Click the "Set Security" button, then configure the wireless security	
	parameters of the AP you want to connect via WDS.	
Show Statics	Click the "Show Statics" button to show the WDS AP.	
Current WDS AP List	You can select some MAC address of the AP, and click the "Delete	
	Selected" button to delete it.	

Table 4-5

4.4.6. Site Survey

Choose menu "Wireless → Site Survey" to scan the available local AP. If any Access Point is found, you could choose any one to connect with manually when the Client Mode is enabled.

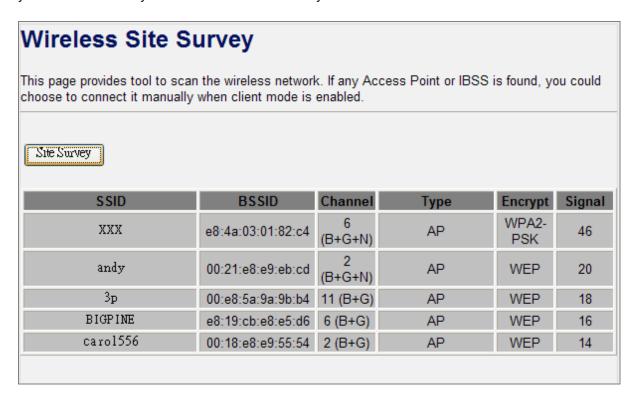


Figure 4-17 Wireless Site Survey

4.4.7. WPS

Choose menu "Wireless → WPS", and you can configure the setting for WPS (Wi-Fi Protected Setup). After the configuration, please click the "Apply Changes" button to save the settings.

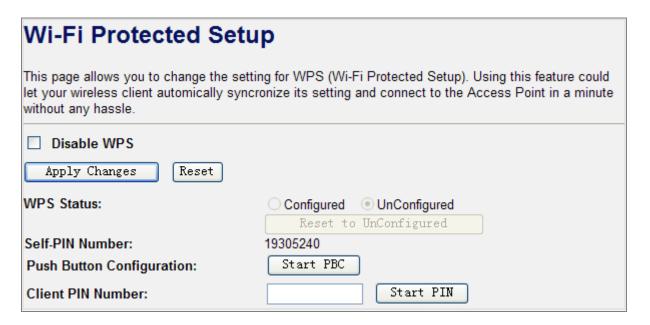


Figure 4-18 WPS (Wi-Fi Protected Setup)

Object	Description
Disable WPS	You can check the box to disable the WPS function.
WPS Status	Here you can check if the connection via WPS is established or not.
Self-PIN Number	It is the PIN number of the WNRT-300G here.
Push Button	Click the "Start PBC", and then activate WPS as well in the client
Configuration	device within 2 minutes.
Client PIN Number	In addition to the PBC method, you can also use the PIN method to
	activate the WPS. Just enter the PIN number of the client device in the
	field, and click the "Start PIN" button.

Table 4-6

4.4.8. Schedule

Choose menu "Wireless → Schedule", and you can configure the schedule rule of enabling wireless function. After the configuration, please click the "Apply Changes" button to save the settings.

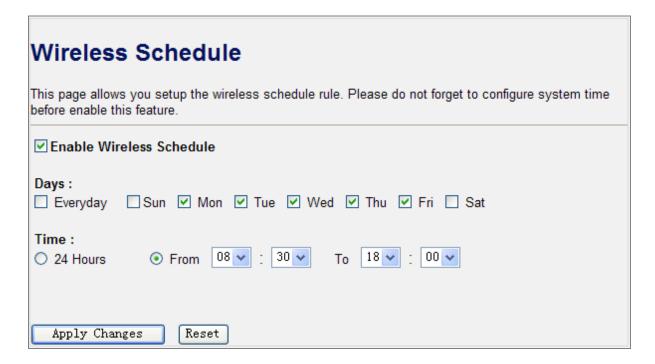


Figure 4-19 Wireless Schedule

4.5. TCP/IP Settings

The TCP/IP Settings menu contains submenus of the settings about LAN and WAN. Please refer to the following sections for the details.



Figure 4-20

4.5.1. LAN Interface

Choose menu "TCP/IP Settings → LAN Interface", and you can configure the parameters for LAN (Local Area Network). After the configuration, please click the "Apply Changes" button to save the settings.

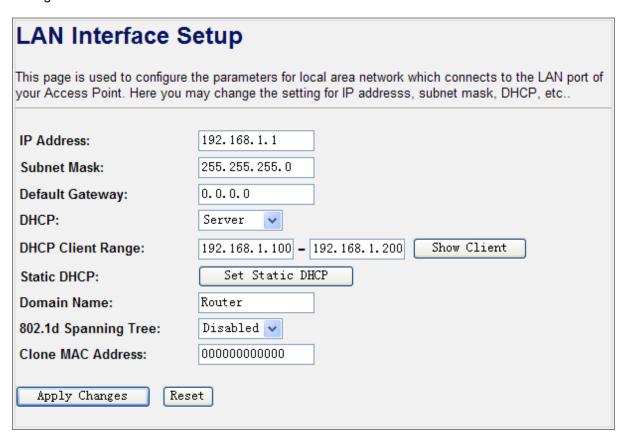


Figure 4-21 LAN Interface

Object	Description
IP Address	The LAN IP address of the WNRT-300G, and default is 192.168.1.1 . You can change it according to your request.
Subnet Mask	Default is 255.255.255.0 . You can change it according to your request.
Default Gateway	Default is 0.0.0.0 . You can change it according to your request.

DHCP	You can select one of Disable , Client , and Server . Default is Server , that the WNRT-300G can assign IP addresses to the computers automatically.
DHCP Client Range	For the Server mode, you must enter the DHCP client IP address range in the field. And you can click the " Show Client " button to show the Active DHCP Client Table.
Static DHCP	Click the "Set Static DHCP" button, and you can reserve some IP addresses for those network devices with the specified MAC addresses anytime when they request IP addresses.
Domain Name	Default is Router .
802.1d Spanning Tree	You can enable or disable the spanning tree function.
Clone MAC Address	You can input a MAC address here for using clone function.

Table 4-7

4.5.2. WAN Interface

Choose menu "TCP/IP Settings \rightarrow WAN Interface", and you can configure the parameters for the Internet network. After the configuration, please click the "Apply Changes" button to save the settings.

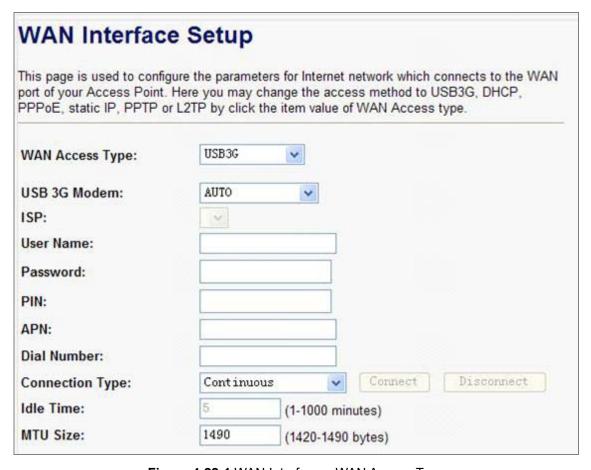


Figure 4-22-1 WAN Interface – WAN Access Type

Attain DNS Automatic	ally		
O Set DNS Manually			
DNS 1:			
DNS 2:			
DNS 3:			
Clone MAC Address:	00000000000		
☐ Enable uPNP			
☑ Enable IGMP Proxy			
☐ Enable Ping Access	on WAN		
☐ Enable Web Server	Access on WAN		
☑ Enable IPsec pass the second of the s	nrough on VPN connection		
☑ Enable PPTP pass the second se	hrough on VPN connection		
☑ Enable L2TP pass through on VPN connection			
☐ Enable IPv6 pass the	rough on VPN connection		
Apply Changes	Reset		

Figure 4-22-2 WAN Interface – WAN Features

Object		Description
WAN Access Type	USB3G	The connection that requires the correct parameters to obtain an IP address from 3G mobile network.
	DHCP Client	The connection which uses the dynamic IP address assignment.
	PPPoE	The connection that requires a username and password.
	Static IP	The connection which uses the static IP address assignment.
	PPTP	The connection which uses a Point-to-Point Tunneling Protocol (PPTP) connection.
	L2TP	The connection which uses a Layer2 Tunneling Protocol (L2TP) connection.
Attain DNS Automatically	Choose to attain DNS automatically from your ISP.	
Set DNS Manually	Choose to specify your preferred DNS Server IP address. The DNS 2 and DNS 3 are optional. You can enter the IP addresses of the secondary and the third DNS Servers as alternatives of DNS 1.	
Clone MAC Address	You can input a MAC address here for using clone function.	

Enable uPNP	Check the box to enable the uPNP function. The uPNP devices can be automatically discovered by the uPNP service application on the LAN.
Enable IGMP Proxy	Check the box to enable the IGMP Proxy function.
Enable Ping Access on WAN	Check the box to enable Ping access from the Internet Network.
Enable Web Server Access	Check the box to enable the web server access of the
on WAN	WNRT-300G from the Internet network.
Enable IPsec pass through	Check the box to enable IPsec pass through function on VPN
on VPN connection	connection.
Enable PPTP pass through	Check the box to enable PPTP pass through function on VPN
on VPN connection	connection.
Enable L2TP pass through on	Check the box to enable L2TP pass through function on VPN
VPN connection	connection.
Enable IPv6 pass through on	Check the box to enable IPv6 pass through function on VPN
VPN connection	connection.

Table 4-8

USB3G

Please select **USB3G** when you want to surf the Internet via 3G mobile Internet service. The WNRT-300G will automatically obtain a public IP address from your mobile ISP. Please refer to the instructions below to configure the correct parameters.



Before inserting your 3G modem to WNRT-300G, please configure all the parameters provided by your ISP correctly first, especially the PIN code, to prevent the lockup of the 3G modem.

WAN Interface Setup This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to USB3G, DHCP, PPPoE, static IP, PPTP or L2TP by click the item value of WAN Access type. USB3G WAN Access Type: **USB 3G Modem:** AUTO ISP: **User Name:** Password: PIN: APN: Dial Number: Connect Disconnect Connection Type: Continuous Idle Time: (1-1000 minutes) MTU Size: 1490 (1420-1490 bytes)

Figure 4-23 WAN Access Type -USB 3G

Object	Description
User Name	Enter the User Name provided by your ISP. This field is case-sensitive.
Password	Enter the Password provided by your ISP. This field is case-sensitive.
PIN	Enter the PIN code if your 3G dongle is protected by it.
APN	Enter the APN (Access Point Name) provided by your ISP.
Dial Number	Enter the Dial Number provided by your ISP.
Connection Type	Select the connection type Continuous , Connect on Demand or Manual from the drop-down menu. If selecting Manual , the user can click Connect button to make a connection.
Idle Time	It represents that the device will idle after the minutes you set. The time must be set between 1~1000 minutes. Default value of idle time is 5 minutes. This function will be available when the Connection Type is selected to Connect on Demand .
MTU Size	The default MTU (Maximum Transmission Unit) value is 1490 Bytes. It is not recommended that you change the default MTU Size unless required by your ISP.

Table 4-9

There are already many kinds of 3G USB modem embedded in the router. The USB modem parameters will be set automatically if it is supported by the Router. If your USB modem inserted is supported by the Router, then in the **Management\Status** web page, it will be shown "**USB3G Connected**" in the **Attain IP Protocol** field. Otherwise, "Unknown Modem" will be shown instead. Please visit our website to get the latest USB modems compatibility list.



Figure 4-24 Access Point Status

PPPoE

If your ISP provides a PPPoE connection, please select **PPPoE** option. The user has to setup the user name and password provided by your ISP. Please refer to the instructions below

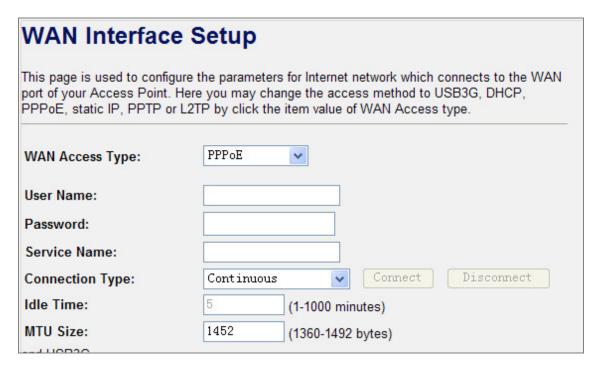


Figure 4-26 WAN Access Type – PPPoE

Object	Description
User Name	Enter the User Name provided by your ISP. This field is case-sensitive.
Password	Enter the Password provided by your ISP. This field is case-sensitive.
Service Name	Enter the Internet service provider name in this field.
Connection Type	Select the connection type Continuous , Connect on Demand or Manual from the drop-down menu. If selecting Manual , the user can click Connect button to make a connection.
Idle Time	It represents that the device will idle after the minutes you set. The time must be set between 1~1000 minutes. Default value of idle time is 5 minutes. This function will be available when the Connection Type is selected to Connect on Demand .
MTU Size	The default MTU (Maximum Transmission Unit) value is 1452 Bytes. It is not recommended that you change the default MTU Size unless required by your ISP.

Table 4-10

Static IP

If your ISP provides a static IP address, please select **Static IP** and setup the related parameters manually. Please refer to the instructions below

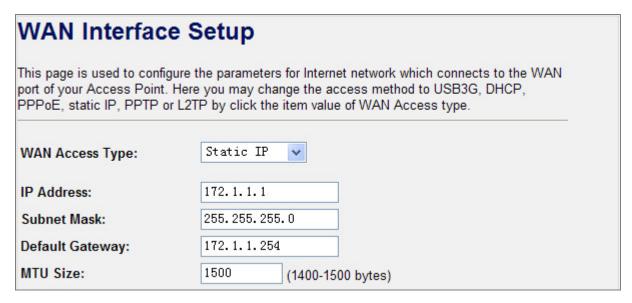


Figure 4-27 WAN Access Type - Static IP

Object	Description
IP Address	Enter the IP address in dotted-decimal notation provided by your ISP.
Subnet Mask	Enter the subnet mask in dotted-decimal notation provided by your ISP, usually is 255.255.255.0.
Default Gateway	(Optional) Enter the gateway IP address in dotted-decimal notation provided by your ISP.
MTU Size	The normal MTU (Maximum Transmission Unit) value for most Ethernet networks is 1500 Bytes. It is not recommended that you change the default MTU Size unless required by your ISP.
DNS 1	Enter the DNS server IP address provided by your ISP, or you can specify your preferred DNS server IP address.
DNS 2 & DNS 3	(Optional) You can enter the IP address of another DNS server as a backup. DNS 2 and 3 servers will be used when the DNS 1 server fails.

Table 4-11

PPTP

If your ISP provides PPTP connection, please select **PPTP** option and enter the correct parameters. Please refer to the instructions below

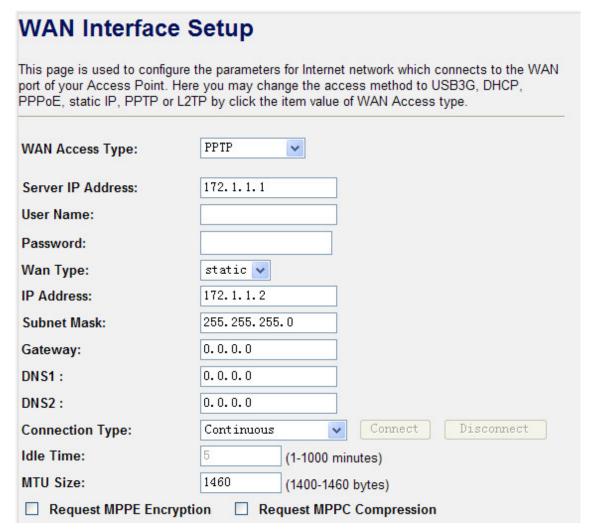


Figure 4-28 WAN Access Type - PPTP

Object		Description
Server IP Address	Enter the PPTP Se	erver IP address in dotted-decimal notation provided
	by your ISP.	
User Name	Enter the User Nar	me provided by your ISP. This field is case-sensitive.
Password	Enter the Passwor	d provided by your ISP. This field is case-sensitive.
Wan Type	Select the corresponding method to obtain an IP address from your	
	ISP.	
	IP Address	Enter the IP address in dotted-decimal notation
		provided by your ISP.
	Subnet Mask	Enter the subnet mask in dotted-decimal notation
		provided by your ISP.
	Gateway	Enter the gateway IP address in dotted-decimal
		notation provided by your ISP.

	DNS1	Enter the DNS server IP address provided by your
		ISP, or you can specify your preferred DNS server
		IP address.
	DNS2	You can enter the IP address of another DNS
		server as a backup. DNS 2 server will be used
		when the DNS 1 server fails.
Connection Type	Select the connection type Continuous, Connect on Demand or	
	Manual from the o	Irop-down menu. If selecting Manual, the user can
	click Connect butto	on to make a connection.
Idle Time	It represents that	the device will idle after the minutes you set. The
	time must be set be	etween 1~1000 minutes. Default value of idle time is
	5 minutes. This fur	nction will be available when the Connection Type is
	selected to Conne	ct on Demand.
MTU Size	The default MTU (I	Maximum Transmission Unit) value is 1460 Bytes. It
	is not recommend	ed that you change the default MTU Size unless
	required by your IS	SP.

Table 4-12

L2TP

If your ISP provides L2TP connection, please select **L2TP** option and enter the correct parameters. Please refer to the instructions below

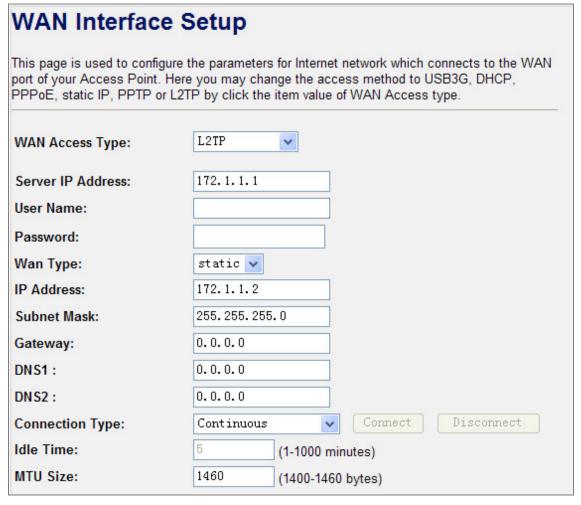


Figure 4-29 WAN Access Type – L2TP

Object		Description
Server IP Address	Enter the L2TP Server IP address in dotted-decimal notation provided by your ISP.	
User Name	Enter the User N	lame provided by your ISP. This field is case-sensitive.
Password	Enter the Passw	ord provided by your ISP. This field is case-sensitive.
Wan Type	Select the corres	sponding method to obtain an IP address from your ISP.
	IP Address	Enter the IP address in dotted-decimal notation provided by your ISP.
	Subnet Mask	Enter the subnet mask in dotted-decimal notation provided by your ISP.
	Gateway	Enter the gateway IP address in dotted-decimal notation provided by your ISP.
	DNS1	Enter the DNS server IP address provided by your ISP, or you can specify your preferred DNS server IP address.
	DNS2	You can enter the IP address of another DNS server as a backup. DNS 2 server will be used when the DNS 1 server fails.
Connection Type	Select the connection type Continuous , Connect on Demand or Manual from the drop-down menu. If selecting Manual , the user can click Connect button to make a connection.	
Idle Time	It represents that the device will idle after the minutes you set. The time must be set between 1~1000 minutes. Default value of idle time is 5 minutes. This function will be available when the Connection Type is selected to Connect on Demand .	
MTU Size		J (Maximum Transmission Unit) value is 1460 Bytes. It is ed that you change the default MTU Size unless required

Table 4-13

DHCP Client

If your ISP provides the DHCP service, please select **DHCP Client** type, and the WNRT-300G will automatically obtain IP parameters from your ISP. Please refer to the instructions below

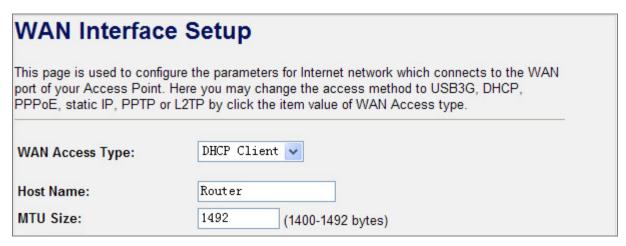


Figure 4-25 WAN Access Type – DHCP Client

Object	Description
Host Name	This option specifies the Host Name of the Router.
MTU Size	The default MTU (Maximum Transmission Unit) value is 1492 Bytes. It is not recommended that you change the default MTU Size unless required by your ISP.

Table 4-14

4.6. Firewall

The Firewall menu contains submenus of the settings about firewall and access filtering. Please refer to the following sections for the details.

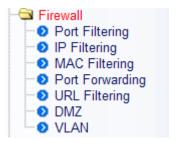


Figure 4-30

4.6.1. Port Filtering

Choose menu "Firewall → Port Filtering", and you can configure which port range and protocol to be restricted. After the configuration, please click the "Apply Changes" button to save the settings.

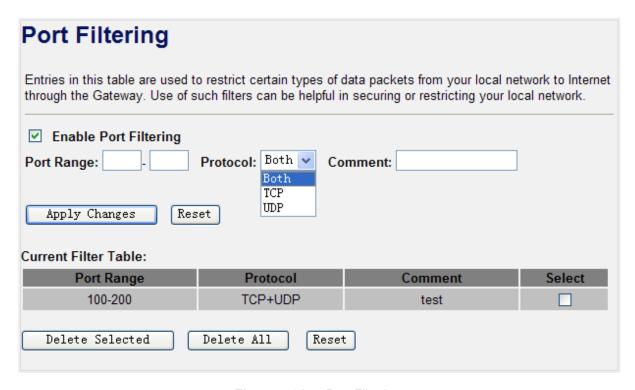


Figure 4-31 Port Filtering

Object	Description
Enable Port Filtering	Enable port filtering
Port Range	Add ports you want to control
Protocol	Select the port number protocol type (TCP, UDP or both). If you are
	unsure, then leave it to the default both protocol
Comment	The description of this setting

Table 4-14

Check the "Select" box of which rule you want to delete, then click the "Delete Selected" button to delete it.

4.6.2. IP Filtering

Choose menu "Firewall → IP Filtering", and you can configure which IP address and protocol to be restricted. After the configuration, please click the "Apply Changes" button to save the settings.

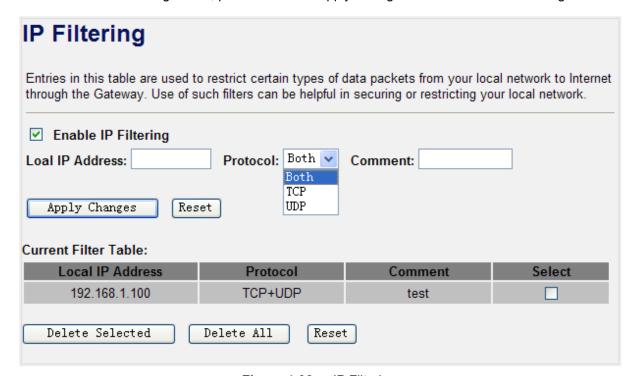


Figure 4-32 IP Filtering

Object	Description
Enable IP Filtering	Enable IP filtering
Local IP Address	Add LAN IP address you want to control
Protocol	Select the port number protocol type (TCP, UDP or both). If you are
	unsure, then leave it to the default both protocol
Comment	The description of this setting

Table 4-15

Check the "Select" box of which rule you want to delete, and then click the "Delete Selected" button to delete it.

4.6.3. MAC Filtering

Choose menu "Firewall \rightarrow MAC Filtering", and you can configure which computer of the specified MAC address to be restricted. After the configuration, please click the "Apply Changes" button to save the settings.

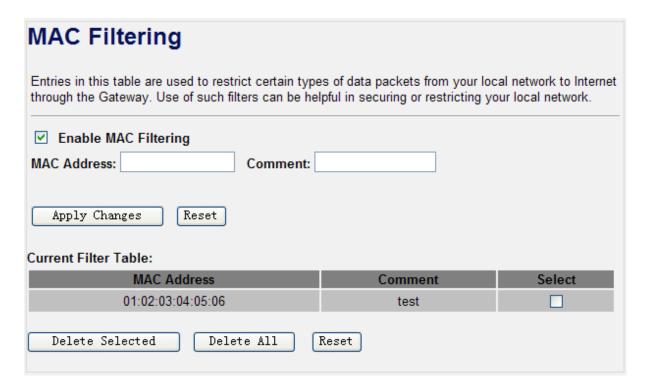


Figure 4-33 MAC Filtering

Object	Description
Enable MAC Filtering	Enable MAC filtering
MAC Address	Add MAC address you want to control
Comment	The description of this setting

Table 4-16

Check the "Select" box of which rule you want to delete, and then click the "Delete Selected" button to delete it.

4.6.4. Port Forwarding

Choose menu "Firewall → Port Forwarding", and you can configure to re-direct a particular range of service port numbers from the Internet network to a particular LAN IP address. It helps users to host some servers behind the firewall. After the configuration, please click the "Apply Changes" button to save the settings.

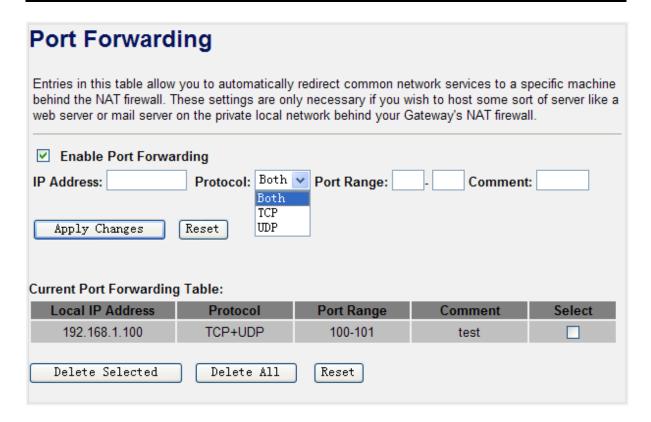


Figure 4-34 Port Forwarding

Object	Description
Enable Port Forwarding	Enable Port Forwarding function
IP Address	Add LAN IP address of specified host or server on the private local
	network
Protocol	Select the port number protocol type (TCP, UDP or both). If you are
	unsure, then leave it to the default both protocol
Port Range	Add ports you want to control. For TCP and UDP Services, enter the
	beginning of the range of port numbers used by the service. If the
	service uses a single port number, enter it in both the start and finish
	fields.
Comment	The description of this setting

Table 4-17

Check the "Select" box of which rule you want to delete, and then click the "Delete Selected" button to delete it.

4.6.5. URL Filtering

Choose menu "Firewall → URL Filtering", and you can configure which URL addresses to be blocked. After the configuration, please click the "Apply Changes" button to save the settings.

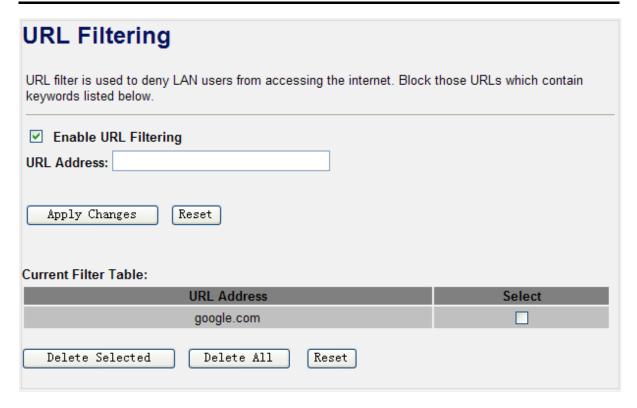


Figure 4-35 URL Filtering

Check the "Select" box of which rule you want to delete, and then click the "Delete Selected" button to delete it.

4.6.6. DMZ

This page allows you to set a **De-militarized Zone (DMZ)** to separate internal network and Internet.

Choose menu "Firewall → DMZ", and you can configure the private IP address of DMZ. The DMZ feature allows one local host to be exposed to the Internet for a special-purpose service such as Internet gaming or video conferencing. After the configuration, please click the "Apply Changes" button to save the settings.

DMZ
A Demilitarized Zone is used to provide Internet services without sacrificing unauthorized access to its local private network. Typically, the DMZ host contains devices accessible to Internet traffic, such as Web (HTTP) servers, FTP servers, SMTP (e-mail) servers and DNS servers.
☐ Enable DMZ DMZ Host IP Address:
Apply Changes Reset

Figure 4-36 DMZ

Object	Description
Enable DMZ	Check the box to enable DMZ function. If the DMZ Host Function is
	enabled, it means that you set up DMZ host at a particular computer to
	be exposed to the Internet so that some applications/software,
	especially Internet / online game can have two way connections.
DMZ Host IP Address	Enter the IP address of a particular host in your LAN which will receive
	all the packets originally going to the WAN port / Public IP address
	above.

Table 4-18

4.6.7. VLAN

If your network uses VLAN (**Virtual Local Area Network**)s, you can assign the SSID (configured for Multiple AP) to a VLAN on your network. Client devices that associate using the SSID are grouped into this VLAN. Up to 5 security profiles can be enabled at one time in WNRT-300G, thus allowing up to 5 different SSIDs to be used simultaneously. Cooperating with the VLAN support, network administrators can define separated wireless subnets for various Class-of-service and security policies.

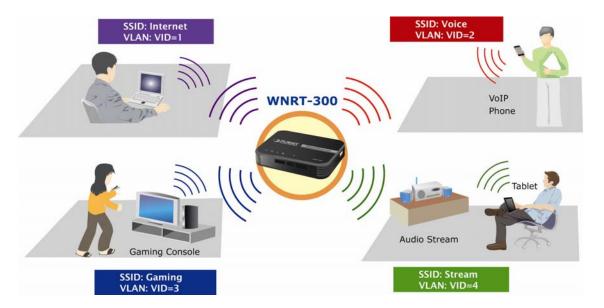


Figure 4-37

Choose menu "Firewall → VLAN", and you can configure the settings of virtual LAN. VLAN refers to a group of logically networked devices on one or more LANs, so that they can communicate with each other as if they were attached to the same wire. In fact, they are located on different LAN segments. VLAN are based on logical instead of physical connections, so it is very flexible for user/host management. After the configuration, please click the "Apply Changes" button to save the settings.

VLAN Settings

Entries in below table are used to config vlan settings. VLANs are created to provide the segmentation services traditionally provided by routers. VLANs address issues such as scalability, security, and network management.

✓ Enable VLAN

Enable	Ethernet/Wireless	WAN/LAN	Tag	VID (1~4090)	Priority	CFI
✓	Wireless Primary AP	LAN	✓	1	0 🕶	✓
✓	Virtual AP1	LAN	✓	2	0 🕶	✓
✓	Virtual AP2	LAN		3	0 🕶	✓
✓	Virtual AP3	LAN		4	0 🕶	✓
	Virtual AP4	LAN		1	0 🗸	V
	Ethernet Port5	WAN		1	0 🗸	V

Apply Changes Reset

Figure 4-38 VLAN Settings

Object	Description
Enable VLAN	Check the box to enable 802.1Q VLAN function. This option is only
	useful if the hubs/switches on your LAN support the VLAN standard.
Enable	Select a network which defines VLAN.
Tag	Enable Tag VLAN.
	It allows 802.1Q Untagged or Tagged VLAN for selected network.
	When adding a VLAN to selected network, it tells the AP router
	whether to keep or remove the tag from a frame on egress.
VID	Set up VLAN group and VID value for each VAP.
	The AP Router allows assign VID for selected Ethernet / Wireless
	network. The range for the VID is 1-4090. The VLAN ID is 1 by default
Priority	Set up the 802.1p priority.
CFI	Set up CFI.

Table 4-19

4.7. QoS

The QoS (Quality of Service) function will improve the network performance of the specified computer by ensuring that its network traffic is prioritized over others'. After the configuration, please click the "Apply Changes" button to save the settings.

QoS			
Entries in this table improve your online gaming experience by ensuring that your game traffic is prioritized over other network traffic, such as FTP or Web.			
☐ Enable QoS ✓ Automatic Uplink Speed			
Manual Uplink Speed (Kbps): 512 ✓ Automatic Downlink Speed Manual Downlink Speed (Kbps): 512			
QoS Rule Setting: Address Type:			
Local IP Address: MAC Address:	-		
Mode: Uplink Bandwidth (Kbps):	Guaranteed minimum bandwidth		
Downlink Bandwidth (Kbps): Comment:			
Apply Changes Reset			
Current QoS Rules Table: Uplink Downlink Common Salast			
Local IP Address MAC Address Delete Selected Delete All	Mode Bandwidth Bandwidth Comment Select		
Detect MII	ACCOUNT		

Figure 4-39 QoS

Object	Description
Enable QoS	Check the box to enable the QoS function.
Automatic Uplink Speed	Check the box to adjust the uplink speed automatically by the WNRT-300G. Or enter the uplink data rate manually in the field

	below.
Automatic Downlink Speed	Check the box to adjust the downlink speed automatically by the WNRT-300G. Or enter the downlink data rate manually in the field below.
QoS Rule Setting	To set the priority rule, you can appoint the computer by IP address or MAC address, and enter it in the correct field. Select minimum or maximum bandwidth, and then fill the uplink and downlink data rate into the field.

Table 4-20

4.8. Route Setup

The page is used to setup dynamic routing protocol or edit static route entry. After the configuration, please click the "Apply Changes" button to save the settings.

Routing Setup			
This page is used to setup dynamic routing protocol or edit static route entry.			
Enable Dynamic Rou	te		
NAT:	Enabled Disabled		
Transmit:	Disabled RIP 1 RIP 2		
Receive:	Disabled ○ RIP 1 ○ RIP 2		
Apply Changes	Reset		
☐ Enable Static Route			
IP Address:			
Subnet Mask:			
Gateway:			
Metric:			
Interface:	LAN 🕶		
Apply Changes	Reset Show Route Table		
Static Route Table:			
Destination IP Address	Netmask Gateway Metric Interface	Select	
Delete Selected	Delete All Reset		

Figure 4-40 Routing Setup

4.9. Management

The Management menu contains submenus of the general settings of the WNRT-300G. Please refer to the following sections for the details.

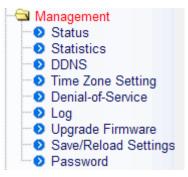


Figure 4-41

4.9.1. Status

Choose menu "Management → Status" to show the current status and some basic settings of the WNRT-300G.

Access Point Status			
This page shows the current status	This page shows the current status and some basic settings of the device.		
System			
Uptime	0day:0h:3m:32s		
Firmware Version	v2.3		
Build Time	Thu May 24 17:10:22 CST 2011		
Wireless Configuration			
Mode	AP		
Band	2.4 GHz (B+G+N)		
SSID	default		
Channel Number	6		
Encryption	Disabled		
BSSID	00:30:4f:11:22:33		
Associated Clients	1		
WAN Configuration			
Attain IP Protocol	Getting IP from DHCP server		
IP Address	0.0.0.0		
Subnet Mask	0.0.0.0		
Default Gateway	0.0.0.0		
MAC Address	00:30:4f:44:55:66		

Figure 4-42 Status

4.9.2. Statistics

Choose menu "Management -> Statistics" to show the packet counters for transmission and reception regarding to wireless and Ethernet network.

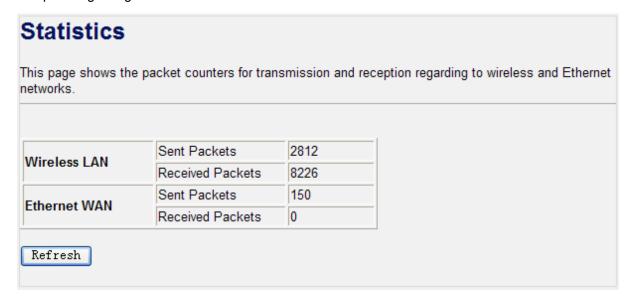


Figure 4-43 Statistics

Item	Description
Wireless LAN	It shows the statistic count of sent packets on the wireless LAN interface.
Sent Packets	
Wireless LAN	It shows the statistic count of received packets on the wireless LAN interface.
Received Packets	
Ethernet WAN	It shows the statistic count of sent packets on the Ethernet WAN interface.
Sent Packets	
Ethernet WAN	It shows the statistic count of received packets on the Ethernet WAN
Received Packets	interface.
Refresh	Click the refresh the statistic counters on the screen.

Table 4-21

4.9.3. DDNS

Choose menu "Management → DDNS" to configure the settings about Dynamic DNS. Dynamic DNS is a kind of service that provides users with a valid, unchanging internet domain name (an URL) to go with that (possibly ever changing) IP address. After the configuration, please click the "Apply Changes" button to save the settings.

Dynamic DNS Setting Dynamic DNS is a service, that provides you with a valid, unchanging, internet domain name (an URL) to go with that (possibly everchanging) IP-address. ✓ Enable DDNS Service Provider: DynDNS 🗸 DynDNS Domain Name: s.org TZO User Name/Email: Password/Key: Note: For TZO, you can have a 30 days free trial here or manage your TZO account in control panel For DynDNS, you can create your DynDNS account here Apply Change Reset

Figure 4-44 DDNS

Object	Description
Enable DDNS	Check the box to enable the Dynamic DNS function.
Service Provider	Select the DDNS service provider.
Domain Name	Enter the domain name you have registered from the DDNS service provider.
User Name/Email	Enter the user name you have registered from the DDNS service provider.
Password/Key	Enter the password you have registered from the DDNS service provider.

Table 4-21

4.9.4. Time Zone Setting

Choose menu "Management → Time Zone Setting" to configure the system time. You can also maintain the system time by synchronizing with a public time server over the Internet. After the configuration, please click the "Apply Changes" button to save the settings.



Figure 4-45 Time Zone Setting

Object	Description
Time Zone Select	Input current time manually.
Time Zone Select	Select the time zone of the country you are currently in. The router will
	set its time based on your selection.
Enable NTP client	Check to enable NTP update. Once this function is enabled, Router will
update	automatically update current time from NTP server.
NTP Server	User may select prefer NTP sever or input address of NTP server
	manually.

Table 4-22

4.9.5. Denial of Service

A "denial-of-service" (DoS) attack is characterized by an explicit attempt by hackers to prevent legitimate users of a service from using that service.

Choose menu "Management → Denial of Service" to configure the settings of DoS attack prevention.

After the configuration, please click the "Apply Changes" button to save the settings.

Denial of Service A "denial-of-service" (DoS) attack is characterized by an explicit attempt by hackers to prevent legitimate users of a service from using that service. Enable DoS Prevention Whole System Flood: SYN Packets/Second Whole System Flood: FIN Packets/Second Whole System Flood: UDP Packets/Second Whole System Flood: ICMP Packets/Second Per-Source IP Flood: SYN Packets/Second Per-Source IP Flood: FIN Packets/Second Per-Source IP Flood: UDP Packets/Second Per-Source IP Flood: ICMP Packets/Second TCP/UDP PortScan Low Sensitivity ICMP Smurf IP Land IP Spoof ■ IP TearDrop PingOfDeath TCP Scan ■ TCP SynWithData UDP Bomb UDP EchoChargen Select ALL Clear ALL Enable Source IP Blocking Block time (sec) Apply Changes

Figure 4-46 Denial of Service

Object	Description
Enable DoS	Check to enable DoS function. User may set other related configurations
Prevention	about DoS below

Table 4-23

4.9.6. Log

Choose menu "Management -> Log" to configure the settings of system log. You can check the box of

the items you want to record it in the log. After the configuration, please click the "Apply Changes" button to save the settings.

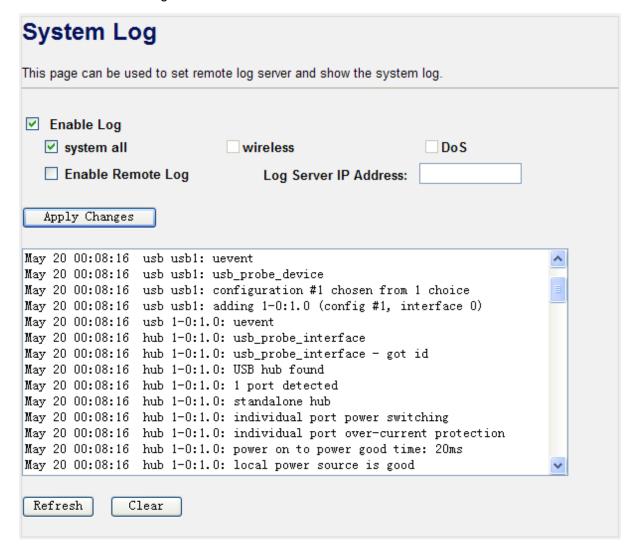


Figure 4-47 System Log

Object	Description
Enable Log	Check to enable log function.
System all/Dos	Select which log you want to check. Related information will be shown at below.

Table 4-24

4.9.7. Upgrade Firmware

Choose menu "Management → Upgrade Firmware" to upgrade the firmware of the WNRT-300G. Select the new firmware file downloaded from the PLANET website, and then click "Upload" button to upgrade it.

Upgrade Firmware This page allows you 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. Firmware Version: Select File: Upload Reset

Figure 4-48 Upgrade Firmware

Object	Description
Select File	Browse and select file you want to upgrade and press Upload to perform
	upgrade.
	Please wait till on screen shows related information after upgrade
	finished.

Table 4-25

4.9.8. Save/Reload Settings

Choose menu "Management → Save/Reload Settings" to backup or reset the configuration of the WNRT-300G.

Save/Reload Settings This page allows you save current settings to a file or reload the settings from the file which was saved previously. Besides, you could reset the current configuration to factory default. Save Settings to File: Load Settings from File: Reset Settings to Default: Reset

Figure 4-49 Save/Reload Settings

Object	Description
Save Settings to File	Click the "Save" button to backup the configuration of the WNRT-300G. And then save the "config.dat" in your computer.
Load Settings from File	Select the configuration file of the WNRT-300G, and then click the "Upload" button to reload the configuration back into the WNRT-300G.

Reset Settings to	Click the "Reset" button to reset all settings of the WNRT-300G to
Default	factory default.

Table 4-26

4.9.9. Password

Choose menu "Management → Password" to change the user name and password which is inputted to access the web UI of the WNRT-300G.

Password Setup		
This page is used to set the account to access the web server of Access Point. Empty user name and password will disable the protection.		
User Name:		
New Password:		
Confirmed Password:		
Apply Changes Reset		

Figure 4-50 Password Setup

Object	Description
User Name	Enter user name.
New Password	Input the password for this user.
Confirmed Password	Confirm the password again.

Table 4-27

4.10. Logout

Click "Logout" to log out the web UI of the WNRT-300G. And then click the "Apply Change" button for sure.



Figure 4-51 Logout

Chapter 5. Quick Connection to a Wireless Network

5.1. Windows XP (Wireless Zero Configuration)

Step 1: Right-Click on the wireless network icon displayed in the system tray



Figure 5-1

Step 2: Select [View Available Wireless Networks]

Step 3: Highlight and select the wireless network (SSID) to connect

- (1) Select SSID [default]
- (2) Click the [Connect] button

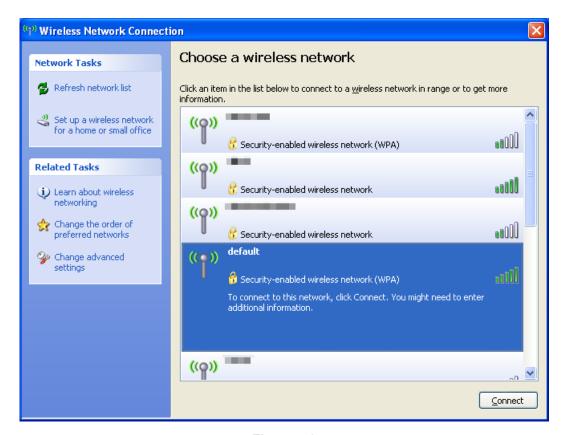


Figure 5-2

Step 4: Enter the encryption key of the Wireless Router

- (1) The Wireless Network Connection box will appear
- (2) Enter the encryption key that configured in section 4.4.3
- (3) Click the [Connect] button

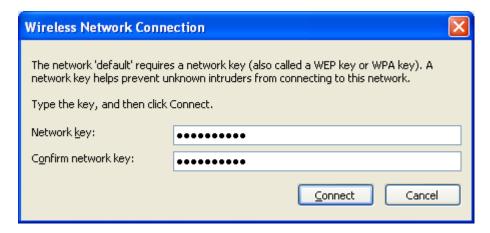


Figure 5-3

Step 5: Check if "Connected" is displayed

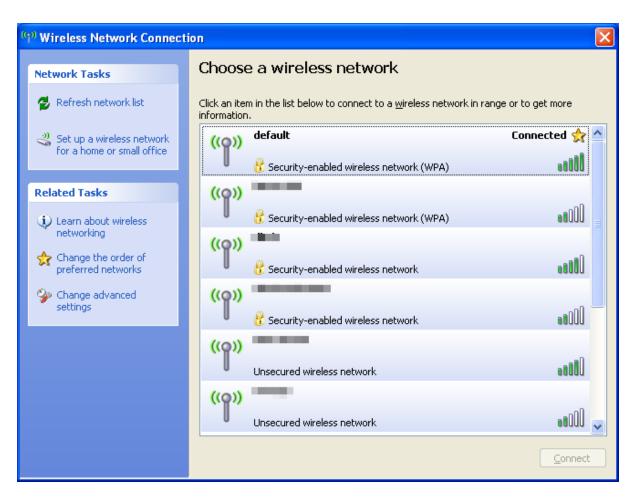


Figure 5-4



Some laptops are equipped with an "Wi-Fi ON/OFF" hardware switch for the internal wireless LAN. Make sure the it is switched to "ON" position.

5.2. Windows 7 (WLAN AutoConfig)

WLAN AutoConfig service is built-in in Windows 7 and can be used to detect and connect to wireless network. This built-in wireless network connection tool is similar to wireless zero configuration tool in Windows XP.

Step 1: Right-Click on the network icon displayed in the system tray



Figure 5-5

Step 2: Highlight and select the wireless network (SSID) to connect

- (1) Select SSID [default]
- (2) Click the [Connect] button

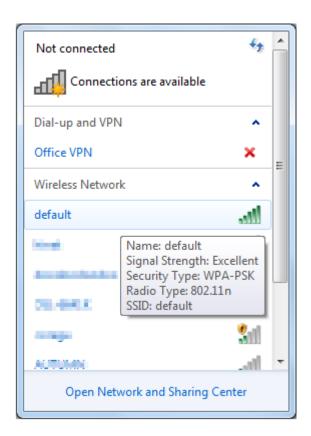


Figure 5-6



Figure 5-7



If you want to connect to this Wireless Router in the future, please check the box of [Connect automatically].

Step 3: Enter the encryption key of the Wireless Router

- (1) The [Connect to a Network] box will appear
- (2) Enter the encryption key that configured in section 4.4.3
- (3) Click the [OK] button



Figure 5-8

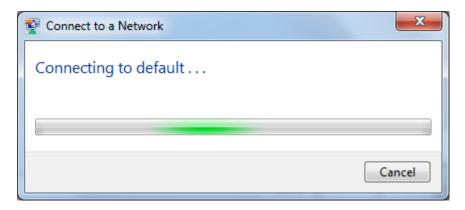


Figure 5-9

Step 4: Check if "Connected" is displayed



Figure 5-10

5.3. Mac OS X

Step 1: Right-Click on the network icon displayed in the system tray

The AirPort Network Connection menu will appear



Figure 5-11

Step 2: Highlight and select the wireless network (SSID) to connect

- (1) Select and SSID [default]
- (2) Double-click on the selected SSID

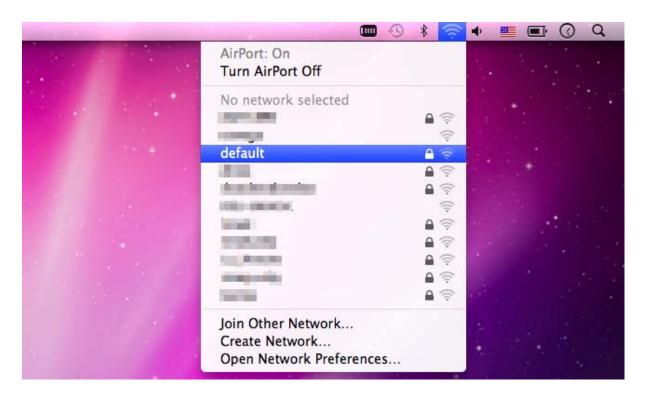


Figure 5-12

Step 3: Enter the encryption key of the Wireless Router

- (4) Enter the encryption key that configured in section 4.4.3
- (1) Click the [OK] button

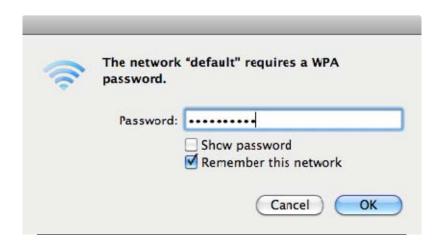


Figure 5-13



If you want to connect to this Wireless Router in the future, please check [Remember this network].

Step 4: Check if the AirPort is connect to the selected wireless network.

If "Yes", then there will be a "check" symbol in front of the SSID.

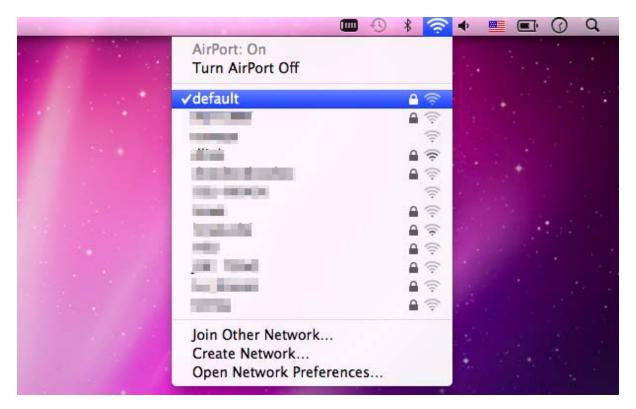


Figure 5-14

There is another way to configure the MAC OS X Wireless settings:

Step 1: Click and open the [System Preferences] by going to Apple > System Preference or Applications

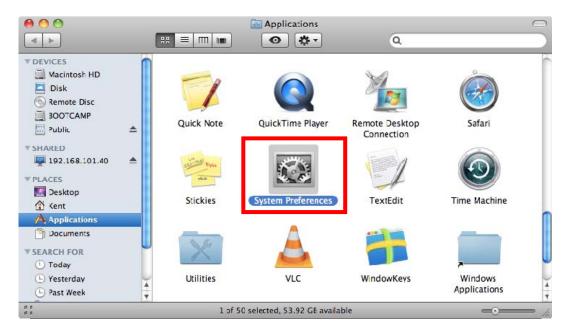


Figure 5-15

Step 2: Open Network Preference by clicking on the [Network] icon

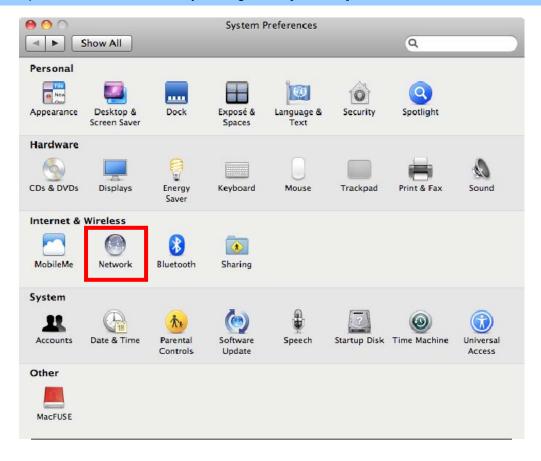


Figure 5-16

Step 3: Check Wi-Fi setting and select the available wireless network

- (1) Choose the **AirPort** on the left-menu (make sure it is ON)
- (2) Select Network Name [default] here

If this is the first time to connect to the Wireless Router, it should shows "Not network selected".

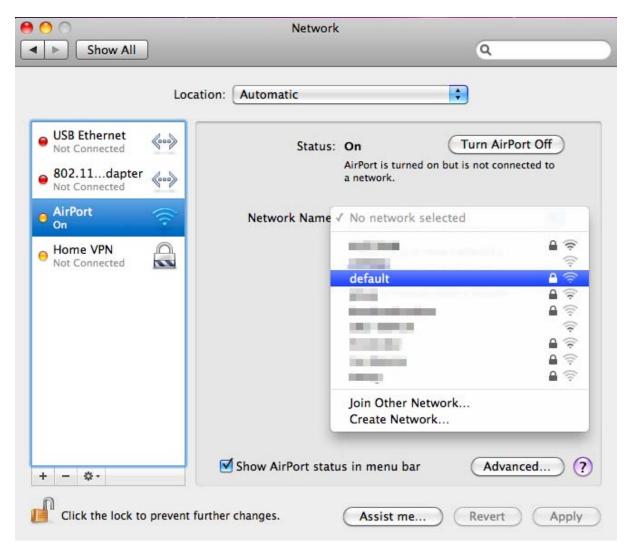


Figure 5-17

5.4. iPhone / iPod Touch / iPad

Step 1: Tap the [Settings] icon displayed in the home screen



Figure 5-18

Step 2: Check Wi-Fi setting and select the available wireless network

- (3) Tap [General] \ [Network]
- (4) Tap [Wi-Fi]

If this is the first time to connect to the Wireless Router, it should appears "Not Connected".



Figure 5-19



Figure 5-20

Step 3: Tap the target wireless network (SSID) in "Choose a Network..."

- (1) Turn on Wi-Fi by tapping "Wi-Fi"
- (2) Select SSID [default]



Figure 5-21

Step 4: Enter the encryption key of the Wireless Router

- (1) The password input screen will be displayed
- (2) Enter the encryption key that configured in section 4.4.3
- (3) Tap the [Join] button

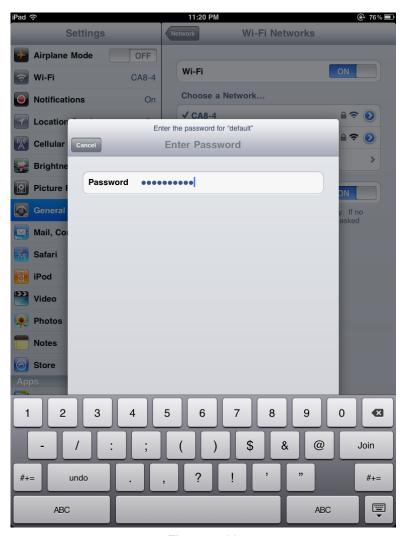


Figure 5-22

Step 5: Check if the iDevice is connected to the selected wireless network.

If "Yes", then there will be a "check" symbol in front of the SSID.



Figure 5-23

Appendix

Malfunction	Solution		
The WNRT-300G is not	Please check the connection of power cord and network		
responding to me when I want	cable of the WNRT-300G. All cords and cables should be		
to access it via web browser	correctly and firmly inserted to the device.		
	If all LEDs on the WNRT-300G are off, please check the		
	status of power adapter, and make sure it is correctly		
	powered.		
	You must configure your PC as the same IP address		
	section with the WNRT-300G.		
	Are you using MAC or IP address filter? Try to connect the WNRT-300G by another computer and see if it works; if not,		
	please restore the WNRT-300G to factory default settings		
	(Press "reset" button for over 10 seconds).		
	Shift the hardware switch to Router Mode, and set your		
	computer to obtain an IP address automatically (DHCP),		
	and see if your computer can get an IP address.		
	If you just did firmware upgrade and this happens, contact		
	the dealer of purchase for help.		
	a. If all above solutions don't work, contact the dealer of		
	purchase for help.		
Unable to get connected with	a. Go to "Management → Status" submenu, and check the		
the Internet	WAN configuration status.		
	Please be patient, sometime Internet is just that slow.		
	b. If you connect your computer to the Internet directly		
	before, try to do that again. And check if you can get connected to the Internet with your computer directly		
	via the device provided by your local Internet service		
	provider.		
	c. Check the WAN access type (Static IP / Dynamic IP /		
	PPPoE / PPTP / L2TP), user name, password, and the		
	other parameters provided by your local ISP again.		
	d. Call your Internet service provider and check if there is something wrong with their service.		
	e. If you just can't connect to one or more website, but you		
	can still use other internet services, please check URL		
	filter in the web UI.		
	f. Reset the WNRT-300G to the factory default settings		
	and try again later.		
	g. Reset the device provided by your Internet service		
	provider as well.		

	h. Try to use IP address instead of hostname. If you can	
	access a remote server by an IP address but not by a	
	hostname, please check the DNS setting.	
Unable to be found by the	a. Check if the "Broadcast SSID" is disabled.	
wireless clients	b. Are you too far from the WNRT-300G? Try to get closer.	
	c. Please remember that you have to enter SSID to your	
	wireless client device manually, if SSID broadcast is	
	disabled.	
File download is very slow	a. Are you using QoS function? Please disable it and try	
or breaks frequently	again.	
	Please be patient, sometime Internet is just that slow.	
	b. Reset the WNRT-300G to the factory default settings	
	and see if it is better after that.	
	c. Try to know what are other computers doing in your	
	local area network. If someone is transferring big files,	
	other people will think Internet is really slow.	
	d. If this never happens before, call you Internet service	
	provider to check if there is something wrong with their	
	network.	
Unable to login the web	a. Make sure you are connecting to the correct IP address	
management UI: password is	of the WNRT-300G.	
wrong	 b. Password is case-sensitive. Make sure the "Caps Lock" light is not illuminated. 	
	c. If you really forget the password, please do hardware	
	reset.	
The device is getting het	a. This is not a malfunction if you can keep your hand on	
The device is getting hot.	the case of the WNRT-300G.	
	b. If you smell something wrong or see the smoke coming	
	out from the WNRT-300G or power adapter, please	
	disconnect the device and power adapter from power	
	(make sure it's safe before you're doing this!), and call	
	your dealer of purchase for help.	
The data and the set of all a	• • •	
The date and time of all event	Adjust the internal clock of the WNRT-300G.	
logs are wrong		



EC Declaration of Conformity

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		lowing	7	P

*Type of Product: 3G / 802.11n Wireless Portable Router

*Model Number: WNRT-300G

* Produced by:

Manufacturer's Name : Planet Technology Corp.

Manufacturer's Address: 10F., No.96, Minquan Rd., Xindian Dist.,

New Taipei City 231, Taiwan (R.O.C.)

is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to 1999/5/EC R&TTE. For the evaluation regarding the R&TTE the following standards were applied:

EN 300 328 V1.7.1 (2006-10) EN 301 489-17 V1.8.1 (2008-04) EN 301 489-1 V2.1.1 (2009-05) EN 62311 (2008)

EN 60950-1 (2006 + A11:2009 + A1:2010)

Responsible for marking this declaration if the:

☒ Manufacturer **☐** Authorized representative established within the EU

Authorized representative established within the EU (if applicable):

Company Name: Planet Technology Corp.

Company Address: 10F., No.96, Minquan Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.)

Person responsible for making this declaration

Name, Surname Kent Kang

Position / Title : <u>Product Manager</u>

 Taiwan
 5st Sep, 2011

 Place
 Date

Legal Signature

EC Declaration of Conformity

English	Hereby, PLANET Technology Corporation, declares that this 3G/802.11n Wireless Portable Router is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.	Lietuviškai	Šiuo PLANET Technology Corporation,, skelbia, kad 3G/802.11n Wireless Portable Router tenkina visus svarbiausius 1999/5/EC direktyvos reikalavimus ir kitas svarbias nuostatas.
Česky	Společnost PLANET Technology Corporation, tímto prohlašuje, že tato 3G/802.11n Wireless Portable Router splňuje základní požadavky a další příslušná ustanovení směrnice 1999/5/EC.	Magyar	A gyártó PLANET Technology Corporation , kijelenti, hogy ez a 3G/802.11n Wireless Portable Router megfelel az 1999/5/EK irányelv alapkövetelményeinek és a kapcsolódó rendelkezéseknek.
Dansk	PLANET Technology Corporation, erklærer herved, at følgende udstyr 3G/802.11n Wireless Portable Router overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF	Malti	Hawnhekk, PLANET Technology Corporation, jiddikjara li dan 3G/802.11n Wireless Portable Router jikkonforma mal-ħtiģijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC
Deutsch	Hiermit erklärt PLANET Technology Corporation, dass sich dieses Gerät 3G/802.11n Wireless Portable Router in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet". (BMWi)	Nederlands	Hierbij verklaart , PLANET Technology orporation , dat 3G/802.11n Wireless Portable Router in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG
Eesti keeles	Käesolevaga kinnitab PLANET Technology Corporation, et see 3G/802.11n Wireless Portable Router vastab Euroopa Nõukogu direktiivi 1999/5/EC põhinõuetele ja muudele olulistele tingimustele.	Polski	Niniejszym firma PLANET Technology Corporation, oświadcza, że 3G/802.11n Wireless Portable Router spełnia wszystkie istotne wymogi i klauzule zawarte w dokumencie "Directive 1999/5/EC".
Ελληνικά	ME THN ΠΑΡΟΥΣΑ , PLANET Technology Corporation, $\Delta H \Lambda \Omega N EI$ OTI AYTO 3G/802.11n Wireless Portable Router ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ	Português	PLANET Technology Corporation, declara que este 3G/802.11n Wireless Portable Router está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Español	Por medio de la presente, PLANET Technology Corporation, declara que 3G/802.11n Wireless Portable Router cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE	Slovensky	Výrobca PLANET Technology Corporation, týmto deklaruje, že táto 3G/802.11n Wireless Portable Router je v súlade so základnými požiadavkami a ďalšími relevantnými predpismi smernice 1999/5/EC.
Français	Par la présente, PLANET Technology Corporation, déclare que les appareils du 3G/802.11n Wireless Portable Router sont conformes aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE	Slovensko	PLANET Technology Corporation, s tem potrjuje, da je ta 3G/802.11n Wireless Portable Router skladen/a z osnovnimi zahtevami in ustreznimi določili Direktive 1999/5/EC.
Italiano	Con la presente , PLANET Technology Corporation, dichiara che questo 3G/802.11n Wireless Portable Router è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva. 1999/5/CE.	Suomi	PLANET Technology Corporation, vakuuttaa täten että 3G/802.11n Wireless Portable Router tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Latviski	Ar šo PLANET Technology Corporation , apliecina, ka šī 3G/802.11n Wireless Portable Router atbilst Direktīvas 1999/5/EK pamatprasībām un citiem atbilstošiem noteikumiem.	Svenska	Härmed intygar, PLANET Technology Corporation , att denna 3G/802.11n Wireless Portable Router står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som_framgår av direktiv 1999/5/EG.