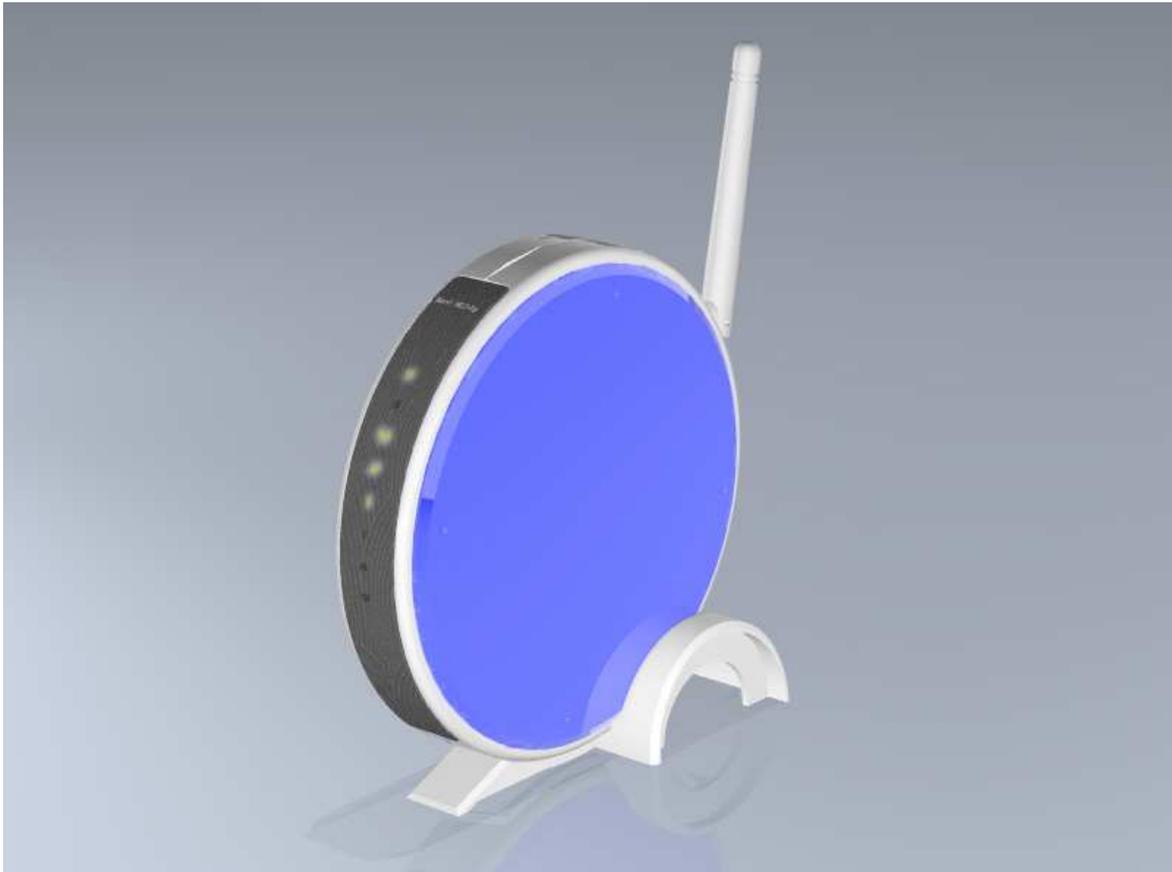


Router R330g

Quick Setup Guide V1.0



Part 15.19

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

Part 15.21

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. In cases where the manual is provided only in a form other than paper, such as on a computer disk or over the Internet, the information required by this section may be included in the manual in that alternative form, provided the user can reasonably be expected to have the capability to access information in that form.

This equipment complies with FCC radiation exposure limits set forth for this an uncontrolled environment. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End users must follow the specific operating instructions for satisfying RF exposure compliance.

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Chapter 1 Navi R330g's Quick Setup

1.1 Router Mode's Quick Setup Instruction

Please open a Microsoft Internet Explorer, and enter <http://192.168.100.1> (Default Gateway) into browser's blank, then you will see the configuration page below:



Please input in the blanks, the factory default values for User Name and Password are "admin" and "admin" (all in lowercase letters); after inputting, please click on "OK" to enter the homepage as below:

WLAN Broadband Router

- Router Home:
- Operation Mode
- Quick Setup
- IP Config
- Wireless
- Firewall
- System Management
- Log & Status
- Logout

Operation Mode

You can setup different modes to LAN and WLAN interface for NAT and bridging function.

- Router:** In this mode, the device is supposed to connect to internet via ADSL/Cable Modem. The NAT is enabled and PCs in LAN ports share the same IP to ISP through WAN port. The connection type can be setup in WAN page by using PPPOE, DHCP client, PPTP client or static IP.
- AP:** In this mode, all ethernet ports and wireless interface are bridged together and NAT function is disabled. All the WAN related function and firewall are not supported.
- Client:** In this mode, all ethernet ports are bridged together and the wireless client will connect to ISP access point. The NAT is enabled and PCs in ethernet ports share the same IP to ISP through wireless LAN. You must set the wireless to client mode first and connect to the ISP AP in Site-Survey page. The connection type can be setup in WAN page by using PPPOE, DHCP client, PPTP client or static IP.

Apply Change

Reset

Please select the "Router", and then click on "Apply Change", so you will go to the page of "System Rebooting".

WLAN Broadband Router

- Router Home:
- Operation Mode
- Quick Setup
- IP Config
- Wireless
- Firewall
- System Management
- Log & Status
- Logout

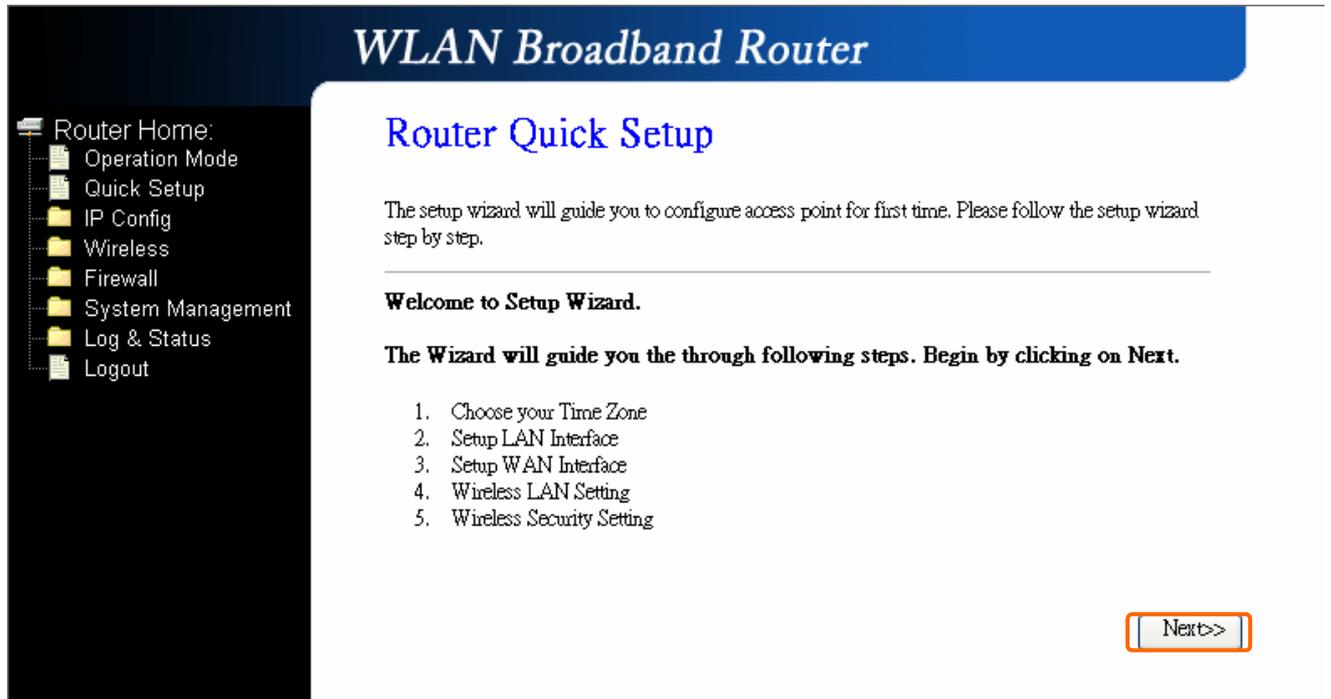
System is rebooting now , after 54 seconds system will return to home.

After 60 seconds, you will go back to the main page of "Operation Mode", and see the **"Router Home"** appearing on the left sub-menu, then please click on "Quick Setup", and you will see the main page of **"Router Quick Setup"** shown below, which means you have already enabled the operation mode of **"Router Quick Setup"**.

The screenshot displays the configuration interface for a WLAN Broadband Router. On the left is a dark sidebar menu with the following items: Router Home, Operation Mode, Quick Setup (highlighted with an orange box), IP Config, Wireless, Firewall, System Management, Log & Status, and Logout. The main content area has a blue header with the text "WLAN Broadband Router". Below the header, the title "Router Quick Setup" is shown in blue. A paragraph of text reads: "The setup wizard will guide you to configure access point for first time. Please follow the setup wizard step by step." Below this is a horizontal line, followed by the heading "Welcome to Setup Wizard." and the instruction "The Wizard will guide you the through following steps. Begin by clicking on Next." A numbered list of five steps follows: 1. Choose your Time Zone, 2. Setup LAN Interface, 3. Setup WAN Interface, 4. Wireless LAN Setting, and 5. Wireless Security Setting. At the bottom right of the main content area is a button labeled "Next>>".

1.2 The Introduction of Router mode's Quick Setup

After you go to the main page of "Router Quick Setup", please click on "Next" right side below, and go to the next page to do each setting step by step:



The screenshot shows the "WLAN Broadband Router" interface. On the left is a navigation menu with the following items: Router Home, Operation Mode, Quick Setup, IP Config, Wireless, Firewall, System Management, Log & Status, and Logout. The main content area is titled "Router Quick Setup" and contains the following text:

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.

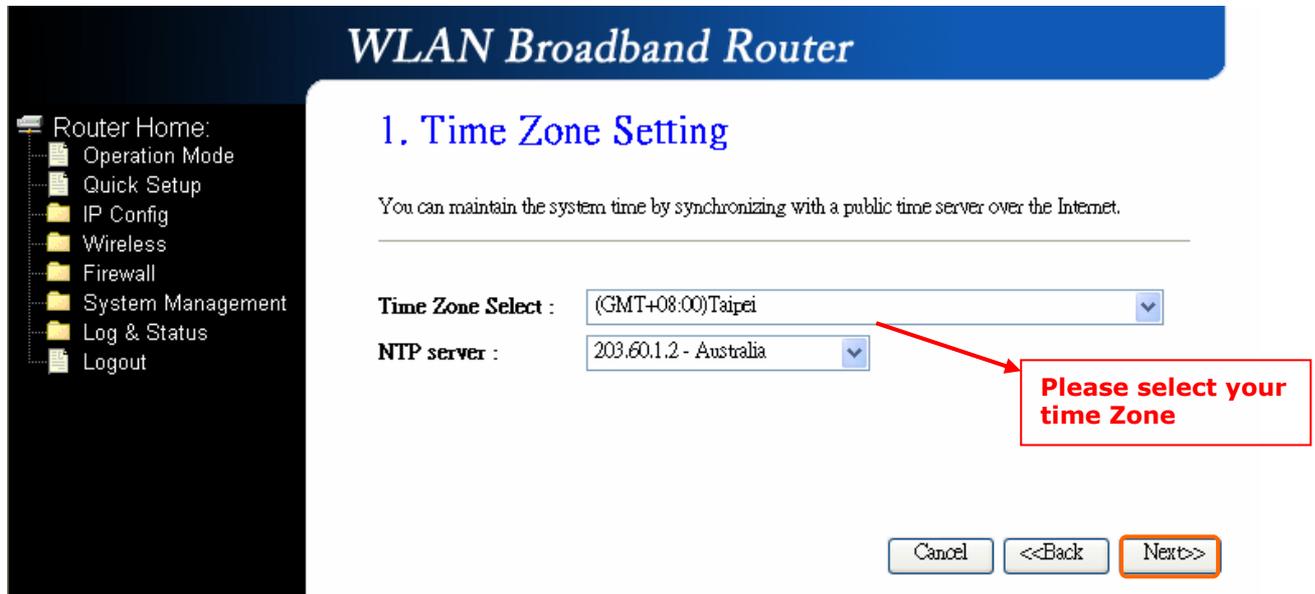
The Wizard will guide you the through following steps. Begin by clicking on Next.

1. Choose your Time Zone
2. Setup LAN Interface
3. Setup WAN Interface
4. Wireless LAN Setting
5. Wireless Security Setting

At the bottom right of the main content area, there is a button labeled "Next>>" with an orange border.

1.2.1 Time Zone Setting

The section provides to change the Time. However, change the router's date and time does not affect the date and time on your PCs.

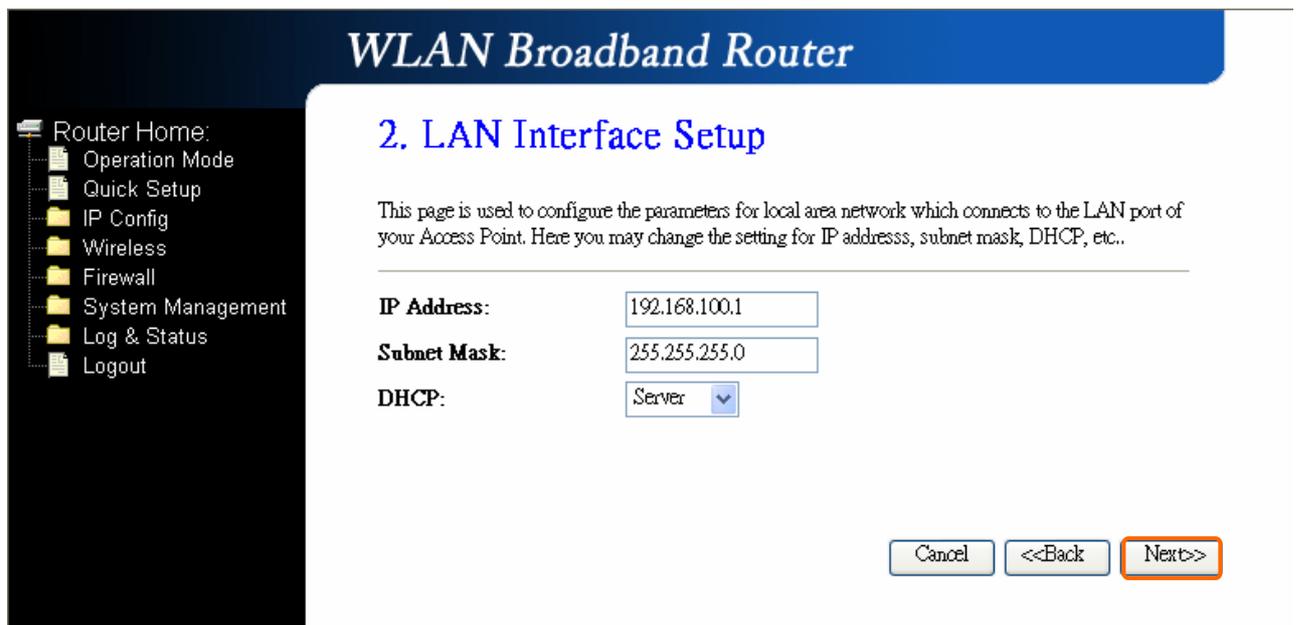


The screenshot shows the configuration interface for a WLAN Broadband Router. The page title is "WLAN Broadband Router" and the section is "1. Time Zone Setting". A navigation menu on the left includes: Router Home, Operation Mode, Quick Setup, IP Config, Wireless, Firewall, System Management, Log & Status, and Logout. The main content area contains the following text: "You can maintain the system time by synchronizing with a public time server over the Internet." Below this, there are two dropdown menus: "Time Zone Select" with the value "(GMT+08:00)Taipei" and "NTP server" with the value "203.60.1.2 - Australia". A red arrow points from the "Time Zone Select" dropdown to a red-bordered box containing the text "Please select your time Zone". At the bottom right, there are three buttons: "Cancel", "<<Back", and "Next>>". The "Next>>" button is highlighted with an orange border.

Please click on "**Next**" button to connect to next step.

1.2.2 LAN Interface Setup

If you are using the Mini Router with multiple PCs on your LAN, please set up this function for multiple users to connect it. The default LAN IP for R330g is 192.168.100.1.

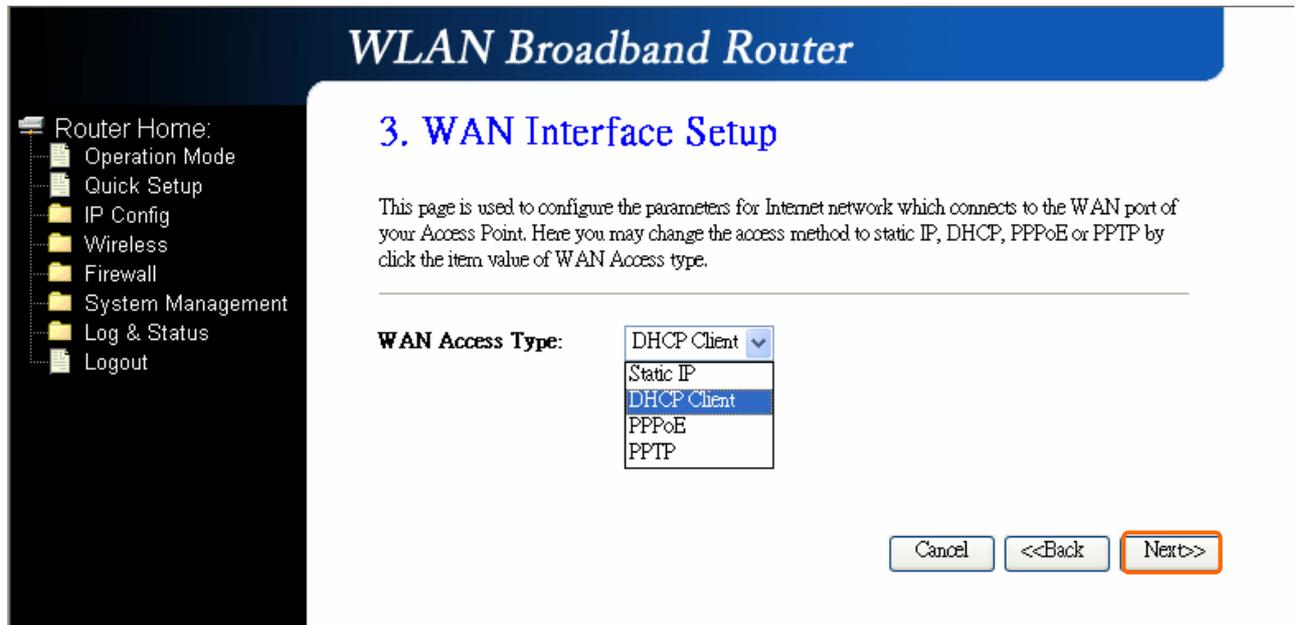


The screenshot shows the configuration interface for a WLAN Broadband Router. The page title is "2. LAN Interface Setup". A navigation menu on the left includes: Router Home, Operation Mode, Quick Setup, IP Config, Wireless, Firewall, System Management, Log & Status, and Logout. The main content area contains a description: "This page is used to configure the parameters for local area network which connects to the LAN port of your Access Point. Here you may change the setting for IP address, subnet mask, DHCP, etc..". Below this are three configuration fields: "IP Address:" with a text box containing "192.168.100.1", "Subnet Mask:" with a text box containing "255.255.255.0", and "DHCP:" with a dropdown menu set to "Server". At the bottom right, there are three buttons: "Cancel", "<<Back", and "Next>>". The "Next>>" button is highlighted with a red border.

Please click on "**Next**" button to connect to next step.

1.2.3 WAN Interface Setup

R330g supports 4 connection types to WAN, select one of the WAN connection modes required by your ISP in below "WAN Access Type" page, the WAN setting pages will differ depending on what kind of WAN Type you select.



The screenshot shows the configuration interface for a WLAN Broadband Router. On the left is a navigation menu with the following items: Router Home, Operation Mode, Quick Setup, IP Config, Wireless, Firewall, System Management, Log & Status, and Logout. The main content area is titled "3. WAN Interface Setup" and contains the following text: "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 static IP, DHCP, PPPoE or PPTP by click the item value of WAN Access type." Below this text is a dropdown menu labeled "WAN Access Type" with the following options: DHCP Client (selected), Static IP, PPPoE, and PPTP. At the bottom right of the page are three buttons: "Cancel", "<<Back", and "Next>>".

Please click on "**Next**" button to connect to next step.

1.2.3.1 WAN Interface Setup–Static IP

Choose Static IP Address if all WAN IP information is provided to you by your ISP. R330g will not accept the IP address if it is not in this format, and the blanks of "IP Address", "Subnet Mask" and "Default Gateway" must be input.

WLAN Broadband Router

3. 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 static IP, DHCP, PPPoE or PPTP by click the item value of WAN Access type.

WAN Access Type:

IP Address: → **Input the data provided by ISP**

Subnet Mask: → **Input the data provided by ISP**

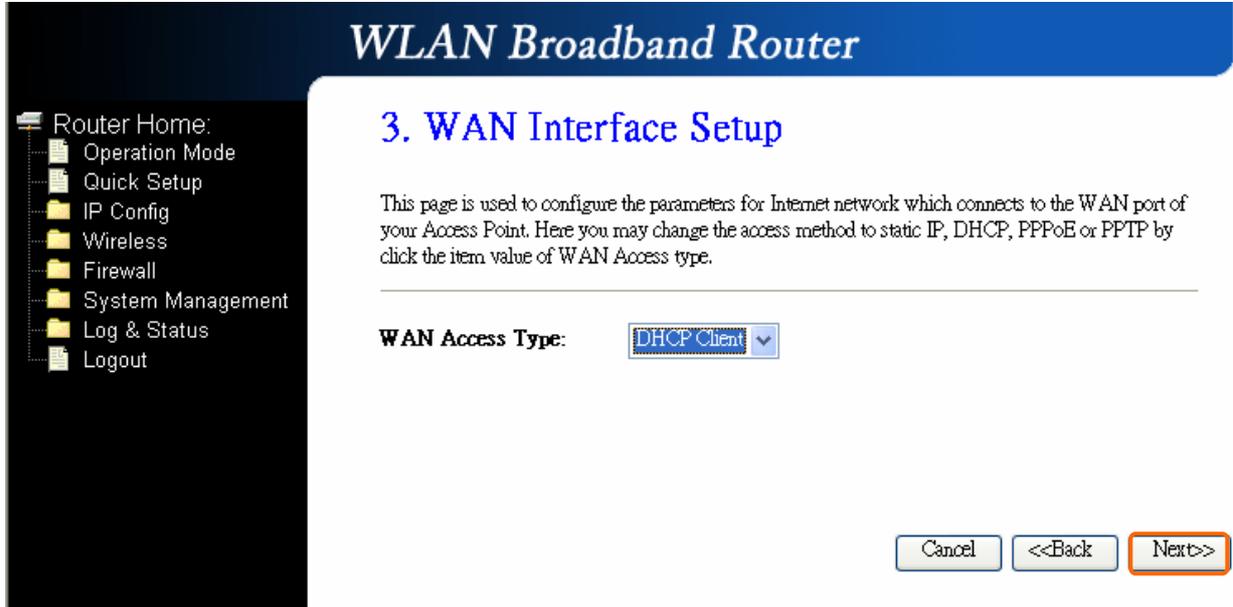
Default Gateway: → **Input the data provided by ISP**

DNS :

Please click on "**Next**" button to connect to next step.

1.2.3.2 WAN Interface Setup– DHCP Client

Choose DHCP Client to obtain IP address information automatically from your ISP. Select this option if your ISP does not give you any IP numbers to use.



Please click on "**Next**" button to connect to next step.

1.2.3.3 WAN Interface Setup– PPPoE

If your ISP uses PPPoE connection, your ISP will provide you with a username and password.

The screenshot shows the configuration interface for a WLAN Broadband Router. The title bar reads "WLAN Broadband Router". On the left is a navigation menu with the following items: Router Home, Operation Mode, Quick Setup, IP Config, Wireless, Firewall, System Management, Log & Status, and Logout. The main content area is titled "3. WAN Interface Setup". Below the title, a paragraph explains that this page is used to configure parameters for an Internet network connecting to the WAN port, and that the access method can be changed to static IP, DHCP, PPPoE, or PPTP. The "WAN Access Type" is set to "PPPoE" in a dropdown menu. Below this are two input fields: "User Name:" and "Password:". Red arrows point to these fields with the text "Input it by your ISP provided." At the bottom right, there are three buttons: "Cancel", "<<Back", and "Next>>". The "Next>>" button is highlighted with a red border.

Please click on "**Next**" button to connect to next step.

1.2.3.4 WAN Interface Setup– PPTP

Some DSL service providers supply a special DSL modem in Europe or Big Pond Cable in Australia. This kind of modem only supports the PPTP tunnel to access the Internet; Please enter the account's information of Account and Password which provided by your ISP.

WLAN Broadband Router

3. 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 static IP, DHCP, PPPoE or PPTP by click the item value of WAN Access type.

WAN Access Type:

IP Address:

Subnet Mask:

Server IP Address:

User Name:

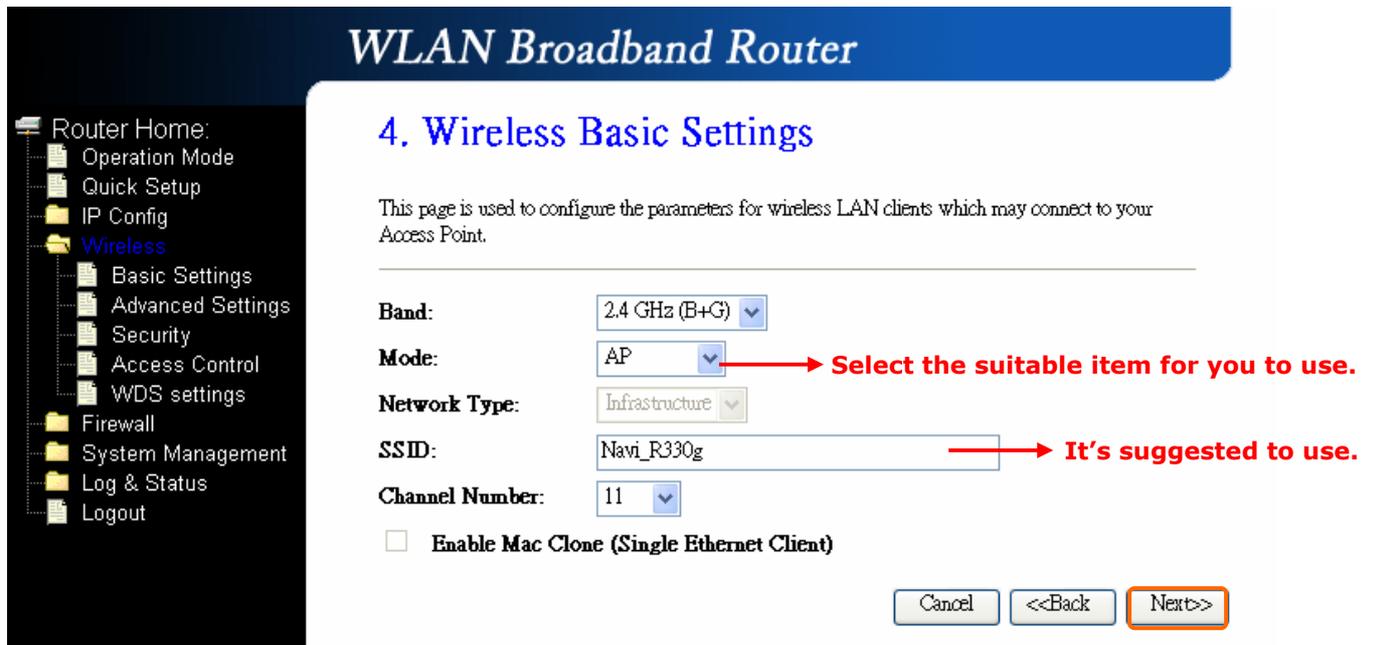
Password:

IP Address, Server IP Address and Subnet Mask are all input as necessary.

Please click on "**Next**" button to connect to next step.

1.2.4 Wireless Basic Settings

The first step of setting up the “Wireless Basic Settings” is to give a name for SSID, herewith the default name of SSID is **Navi_R330g**, it’s suggested to use.



The screenshot shows the configuration interface for a WLAN Broadband Router. The page title is "4. Wireless Basic Settings". A sidebar on the left lists navigation options: Router Home, Operation Mode, Quick Setup, IP Config, Wireless (selected), Basic Settings, Advanced Settings, Security, Access Control, WDS settings, Firewall, System Management, Log & Status, and Logout. The main content area contains the following settings:

- Band:** 2.4 GHz (B+G)
- Mode:** AP (with a red arrow pointing to it and the text "Select the suitable item for you to use.")
- Network Type:** Infrastructure
- SSID:** Navi_R330g (with a red arrow pointing to it and the text "It's suggested to use.")
- Channel Number:** 11
- Enable Mac Clone (Single Ethernet Client)**

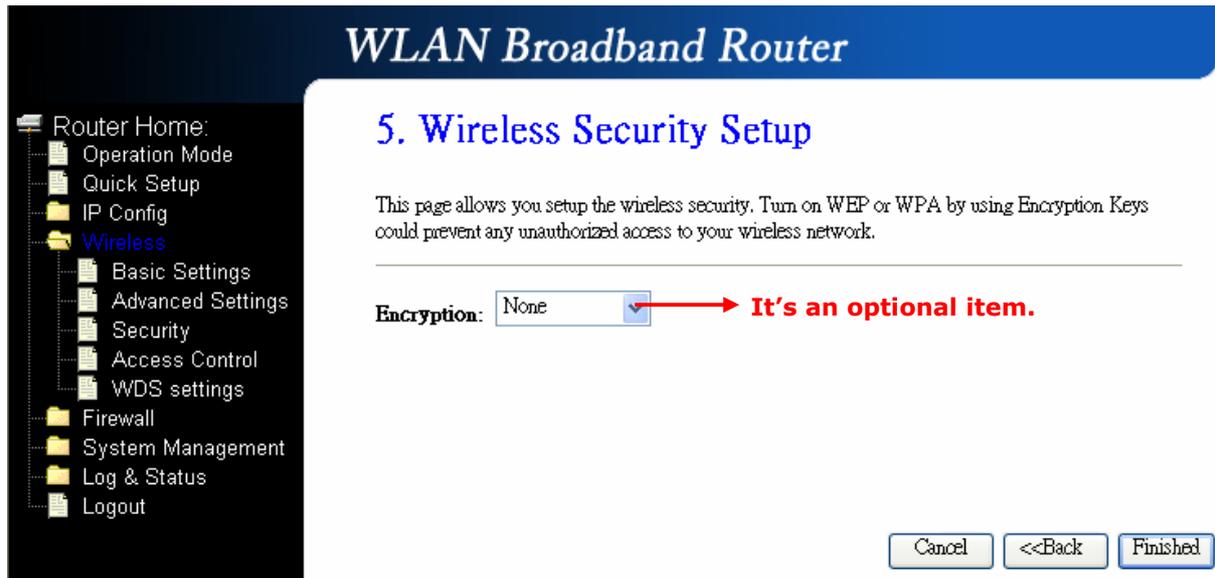
At the bottom right, there are three buttons: "Cancel", "<<Back", and "Next>>". The "Next>>" button is highlighted with a red border.

Please click on “**Next**” button to connect to next step.

1.2.5 Wireless Security Setup

The “Encryption” item of “Wireless Security Setup” is optional; which means you can choose it under your demand, herewith it’s divided into two categories of “WEP” and “WPA”, if you want to protect your transmitting data; you can select it depended on the level of your request.

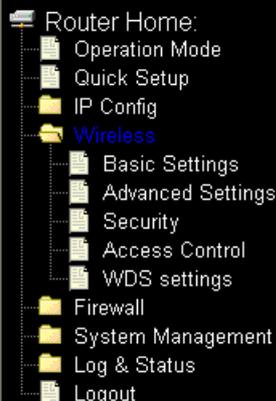
Please follow the instruction below to complete “Wireless Security Setup”.



a. Wireless—WEP mode

After you select “WEP”, you will see the picture below:

WLAN Broadband Router



5. Wireless Security Setup

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

Encryption:

Key Length: **It has low level (64-bit) and high level (128-bit).**

Key Format: **It has "10 characters" and "26 characters"; it will be listed under your selection is low level (64-bit) or high level (128-bit).**

Default Tx Key:

Encryption Key 1:

Encryption Key 2:

Encryption Key 3:

Encryption Key 4:

No matter if you selection is either 10 or 26 hexadecimal digits (0~9, a~f, and A~F) in the pull-down menu bar of "Key Format"; it will be based on whether you select 64-bits or 128-bits in the "Key Length" pull-down menu. After you select it, there will be 4 "Encryption Keys" generated automatically; please input it with data, such as: WEP-64bit key: 10 hexadecimal digits (0~9, a~f, and A~F). WEP-128bit key: 26 hexadecimal digits (0~9, a~f, and A~F). As for the "Default Tx key", it lets you specify which of the four encryption keys you use to transmit the data on your wireless LAN.

b. Wireless—WPA mode

The WPA mode is recommended when you want to have better security. Once the WPA mode is used, the authentication methods of "TKIP" and "AES" will be applied.

WPA (TKIP):

It stands for Temporal Key Integrity Protocol (TKIP), TKIP will verify the security configuration after your encryption keys are determined.

WPA2 (AES):

It stands for Advanced Encryption Standard (AES), it is a symmetric 128-bit block data technique, which it works simultaneously on differently multiple network layers.

WLAN Broadband Router

- Router Home:
- Operation Mode
- Quick Setup
- IP Config
- Wireless
 - Basic Settings
 - Advanced Settings
 - Security
 - Access Control
 - WDS settings
- Firewall
- System Management
- Log & Status
- Logout

5. Wireless Security Setup

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

Encryption: **→ Please select it under your demand**

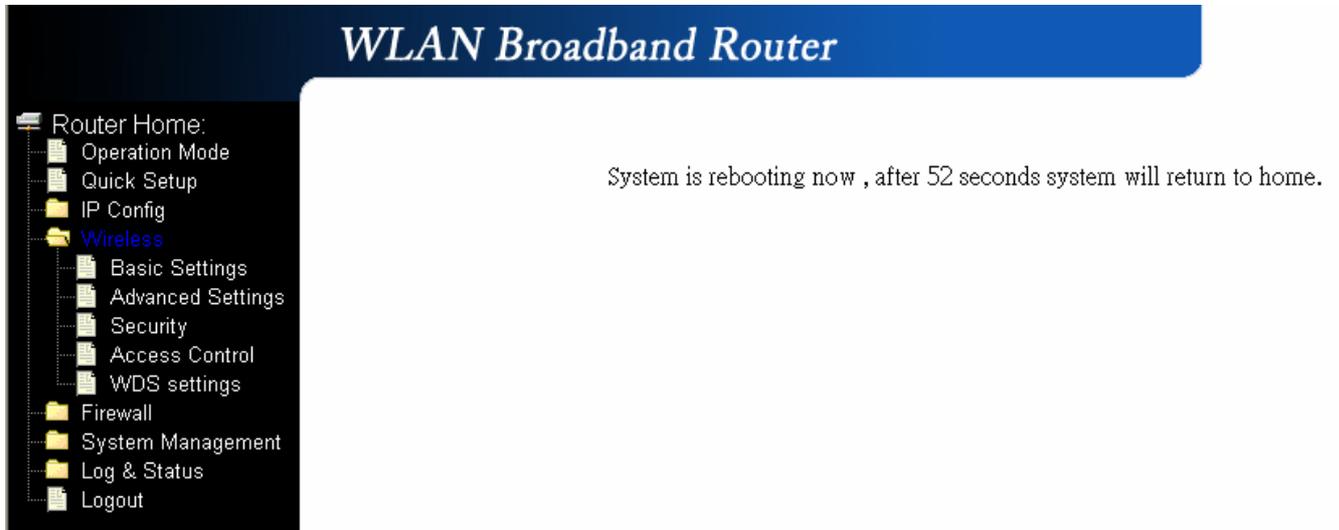
Pre-Shared Key Format: **→ Select it by your request**

Pre-Shared Key: **→ Please input it as necessary**

After setting up, please click on **Finished** button to connect to next step.

1.2.6 Quick Setup Finish

The Quick Setup has been completed successfully when you see this screen.



The system will be rebooting automatically and goes to the Product's Diagram Homepage after 60 seconds.