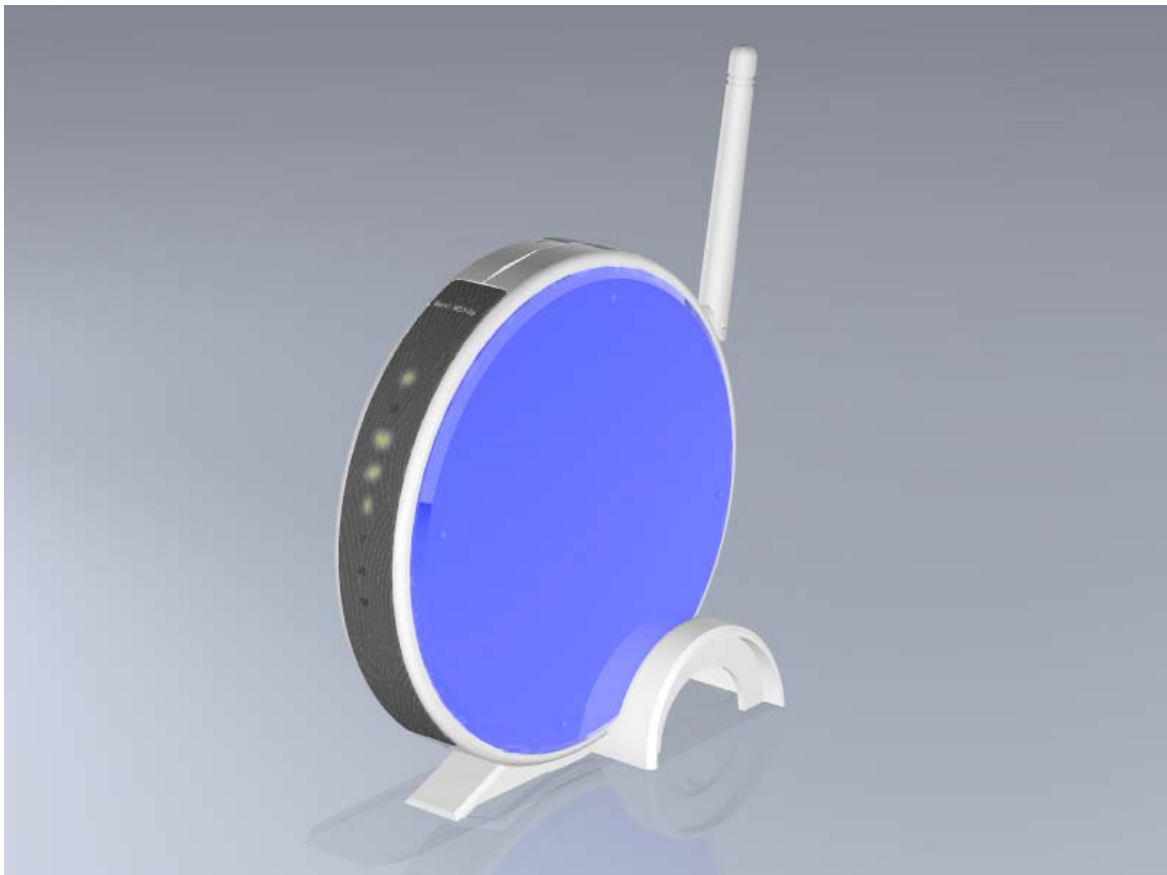


# Broadband Router

*Quick Setup Guide V1.0*



## Table of Contents

TABLE OF CONTENTS .....	2
WARRANTY .....	4
FCC CAUTION .....	5
SAFE SEATING GESTURES: .....	6
CE STATEMENT OF CONFORMITY.....	6
CHAPTER 1 BROADBAND ROUTER'S QUICK SETUP.....	7
1.1 ROUTER MODE'S QUICK SETUP INSTRUCTION .....	7
1.2 THE INTRODUCTION OF ROUTER MODE'S QUICK SETUP .....	8
1.2.1 <i>Time Zone Setting</i> .....	10
1.2.2 <i>LAN Interface Setup</i> .....	11
1.2.3 <i>WAN Interface Setup</i> .....	12
1.2.3.1 WAN Interface Setup–Static IP .....	13
1.2.3.2 WAN Interface Setup– DHCP Client.....	14
1.2.3.3 WAN Interface Setup– PPPoE.....	15
1.2.3.4 WAN Interface Setup– PPTP.....	16
1.2.4 <i>Wireless Basic Settings</i> .....	17
1.2.5 <i>Wireless Security Setup</i> .....	18
1.2.6 <i>Quick Setup Finish</i> .....	21
CHAPTER 2 AP MODE'S QUICK SETUP .....	22
2.1 AP MODE'S CONFIGURATION .....	22
2.2 THE INTRODUCTION OF AP MODE'S QUICK SETUP .....	23
2.2.1 <i>LAN Interface Setup</i> .....	24
2.2.3 <i>Wireless Security Setup</i> .....	26
2.2.4 <i>Quick Setup Finish</i> .....	29
CHAPTER 3 WIFI ISP MODE'S QUICK SETUP.....	31
3.1 WIFI ISP MODE'S QUICK SETUP INSTRUCTION.....	31
3.2 THE INTRODUCTION OF WIFI ISP MODE'S QUICK SETUP.....	34
3.2.1 <i>LAN Interface Setup</i> .....	35
3.2.2 <i>Wireless Basic Settings</i> .....	36
3.2.3 <i>Wireless Security Setup</i> .....	37
3.2.4 <i>Quick Setup Finish</i> .....	40

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## **Copyright Statement**

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ACCORDING TO THE AMERICA COPYRIGHT RULES IN 1976, PEOPLE CANNOT PUBLISH ANY UNAUTHORIZED CREATION IN ANY FORM OR BY ANY MEANS. IN DETAIL, WHOLE CREATION, EVEN PART OF CREATION CANNOT BE PUBLISHED VIA THE MENTIONED METHODS BY OTHERS. FOR INSTANCE, DOCUMENTATION OF TRANSLATION OR MODIFICATION IS PROHIBITED.

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## Warranty

One-Year Warranty is provided for consumer products. This warranty is subject to the conditions and limitations set forth herein.

("We") warrants and tests the Product to be free from defects in material and workmanship and to conform to published specifications. During the warranty period, should the Product fail under normal use in the recommended environment due to improper workmanship or materials, we will repair the Product or replace it with a comparable one.

This warranty is for a specific period of time from the date of purchase. Proof of date of purchase is required. We will inspect the Product and make the decision regarding repair or replacement. We reserve the right to provide a functionally equivalent refurbished replacement Product.

This warranty does not apply to Product failure due to accident, abuse, mishandling, improper installation, alteration, improper usage, or problems with electrical power. The Product must be used with devices that conform to the recommended industry standards. We will not be liable for damages resulting from a third party device that causes the Product to fail. We shall in no event be liable for any consequential, indirect, or incidental damages, lost profits, lost business investments lost goodwill, or interference with business relationships as a result of lost data. We are also not responsible for damage or failure of any third party equipment, even if we have been advised of the possibility. This limitation does not apply to the extent that it is illegal or unenforceable under applicable law.

The limited warranty is exclusive, with no other warranties, implied or statutory, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. The technical supports or advices we provided do not affect this warranty in any part.

---

## **FCC Caution**

The device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

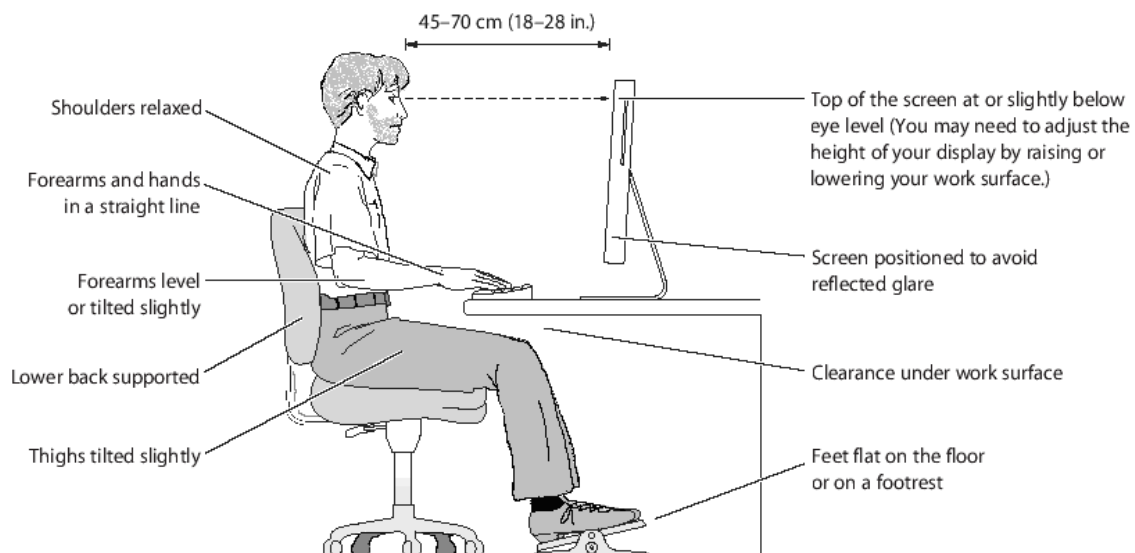
- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

---

## Safe Seating Gestures:

You should follow the manufacturer's instructions for adjusting the backrest to fit your body properly.

- λ An adjustable chair that provides firm, comfortable support is best.
- λ Adjust the height of the chair so your thighs are horizontal and your feet flat on the floor.
- λ The back of the chair should support your lower back (lumbar region).



---

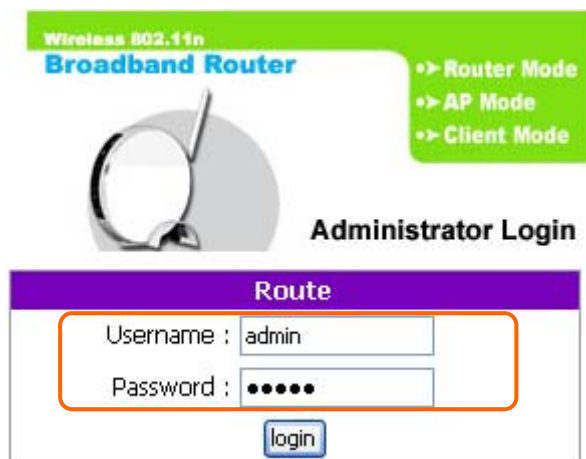
## CE Statement of Conformity

Our product has been tested in typical configuration by Ecam Sertech Corp and was found to comply with the essential requirement of "Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility." (89/336/EEC; 92/31/EEC; 93/68/EEC)

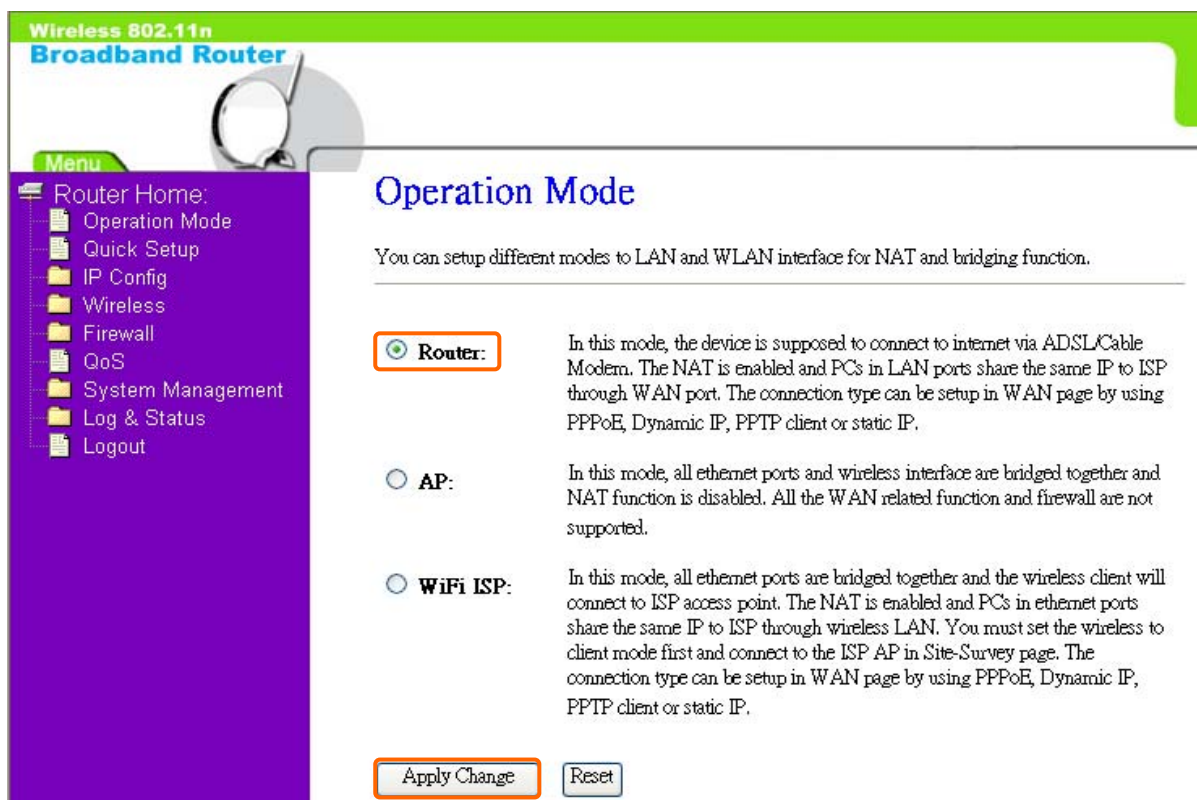
# Chapter 1 Broadband Router's Quick Setup

## 1.1 Router Mode's Quick Setup Instruction

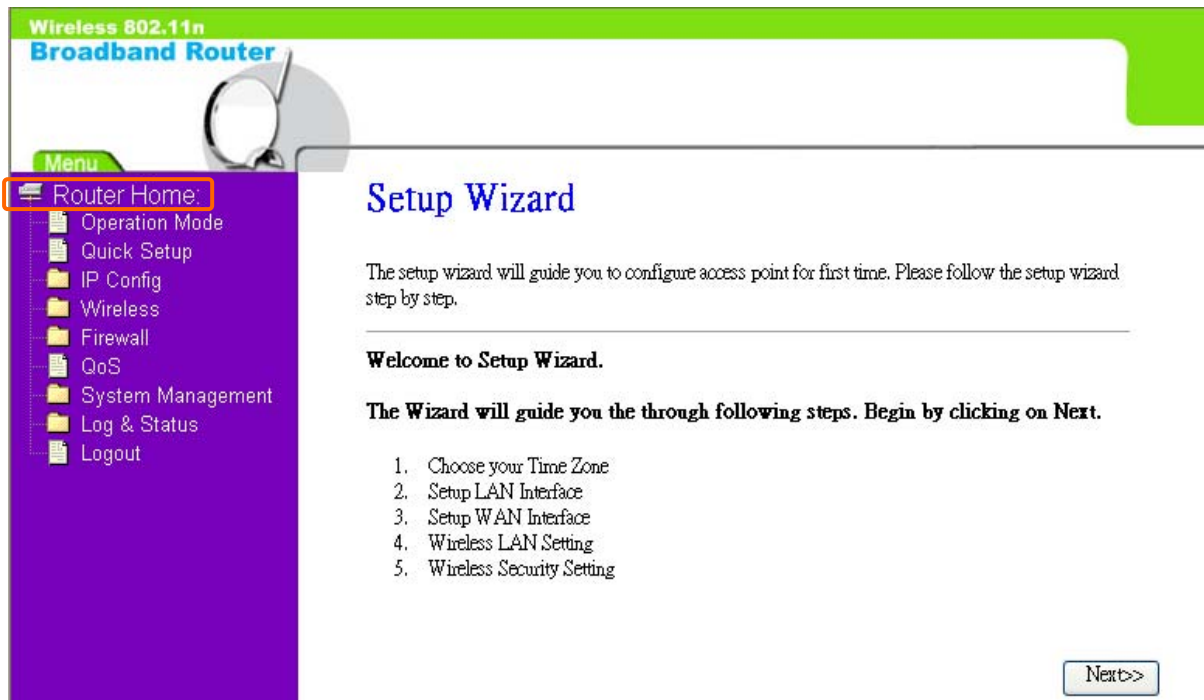
Please open a Microsoft Internet Explorer, and enter <http://192.168.1.1> (Default Gateway) into browser's blank, then you will see the configuration page below:



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:



Please click on "Router" and "Apply Change", then you will see the main page of "Router Home", which means you already enter the page of Router mode's Quick Setup.



## 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:



Menu

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

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

Next>>

## 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.

Wireless 802.11n  
Broadband Router

Menu

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

### 1. Time Zone Setting

You can maintain the system time by synchronizing with a public time server over the Internet.

Enable NTP client update

Automatically Adjust Daylight Saving

Time Zone Select : (GMT+08:00)Taipei

NTP server : 192.5.41.41 - North America

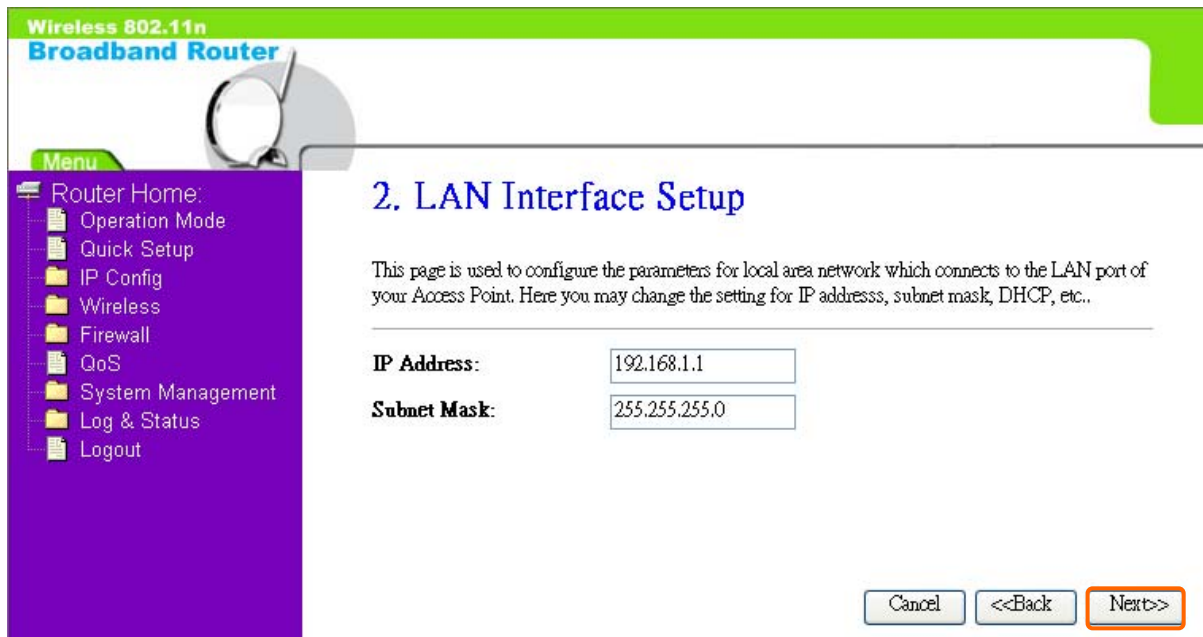
Please select your time Zone

Cancel <<Back Next>>

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

## 1.2.2 LAN Interface Setup

If you are using Broadband Router with multiple PCs on your LAN, please set up this function for multiple users to connect it. The default LAN IP for Broadband Router is 192.168.1.1.



The screenshot shows the configuration interface for a Wireless 802.11n Broadband Router. The page title is "2. LAN Interface Setup". A purple sidebar menu on the left lists various configuration options: Router Home, Operation Mode, Quick Setup, IP Config, Wireless, Firewall, QoS, 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, there are two input fields: "IP Address" with the value "192.168.1.1" and "Subnet Mask" with the value "255.255.255.0". 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

Broadband Router 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 "Wireless 802.11n Broadband Router". On the left is a purple navigation menu with the following items: Router Home, Operation Mode, Quick Setup, IP Config, Wireless, Firewall, QoS, 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 label "WAN Access Type:" followed by a dropdown menu currently set to "DHCP Client". At the bottom right, there are three buttons: "Cancel", "<<Back", and "Next>>". The "Next>>" button is highlighted with an orange border.

### 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. Broadband Router 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.

**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:**

**Default Gateway:**

**DNS :**

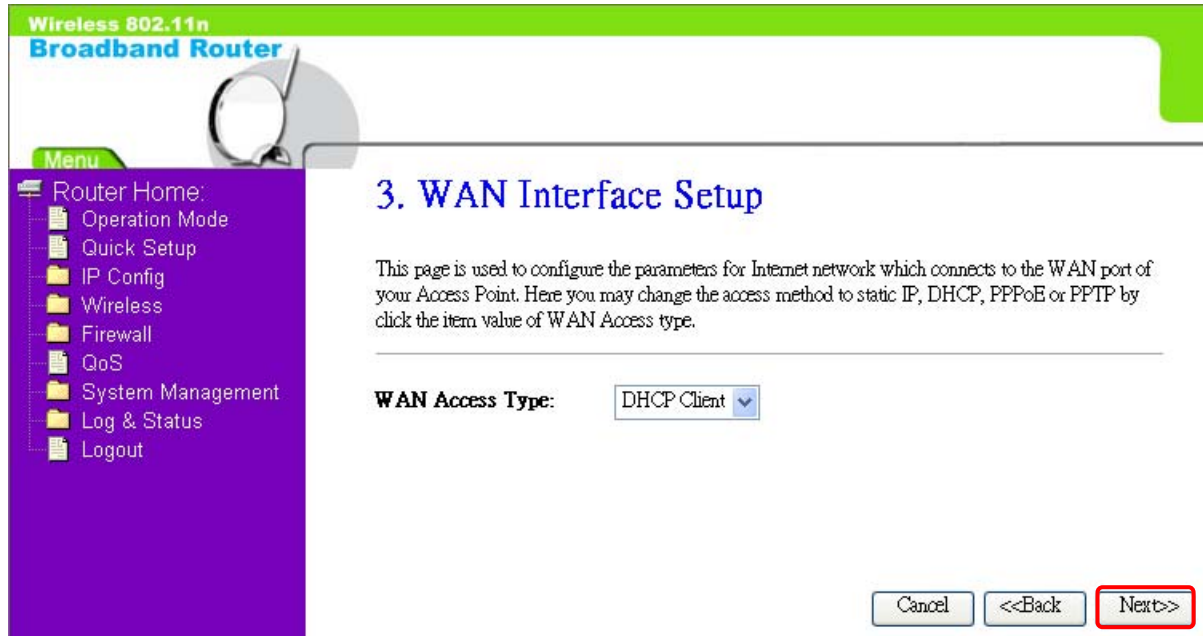
**Input the data provided by ISP**

**DNS also needs to be inputted, otherwise you can't use the domain name.**

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.

**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:**

**User Name:**  **Input it by your ISP provided.**

**Password:**  **Input it by your ISP provided.**

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.

Wireless 802.11n  
Broadband Router

Menu

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

## 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:**

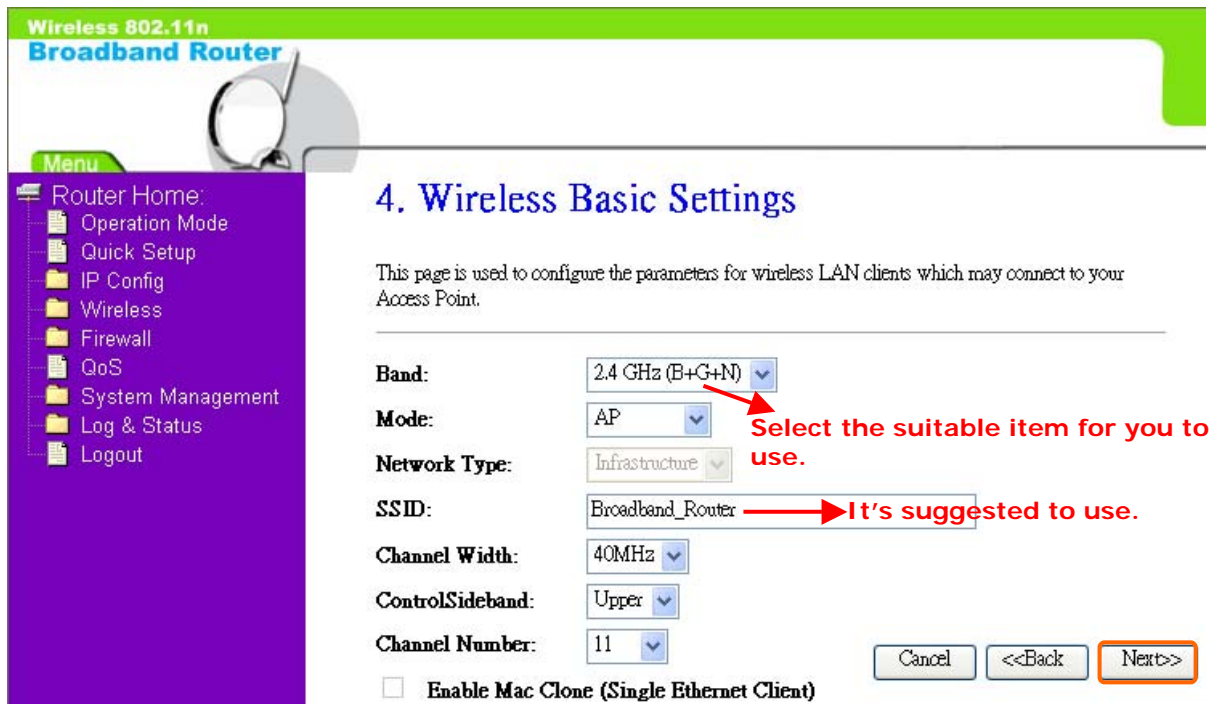
**IP Address, Server IP Address and Subnet Mask are all input as necessary.**

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 **Broadband\_Rouetr**, it’s suggested to use.



Wireless 802.11n  
Broadband Router

Menu

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

### 4. Wireless Basic Settings

This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point.

**Band:** 2.4 GHz (B+G+N)

**Mode:** AP  **Select the suitable item for you to use.**

**Network Type:** Infrastructure

**SSID:** Broadband\_Rouetr  **It's suggested to use.**

**Channel Width:** 40MHz

**ControlSideband:** Upper

**Channel Number:** 11

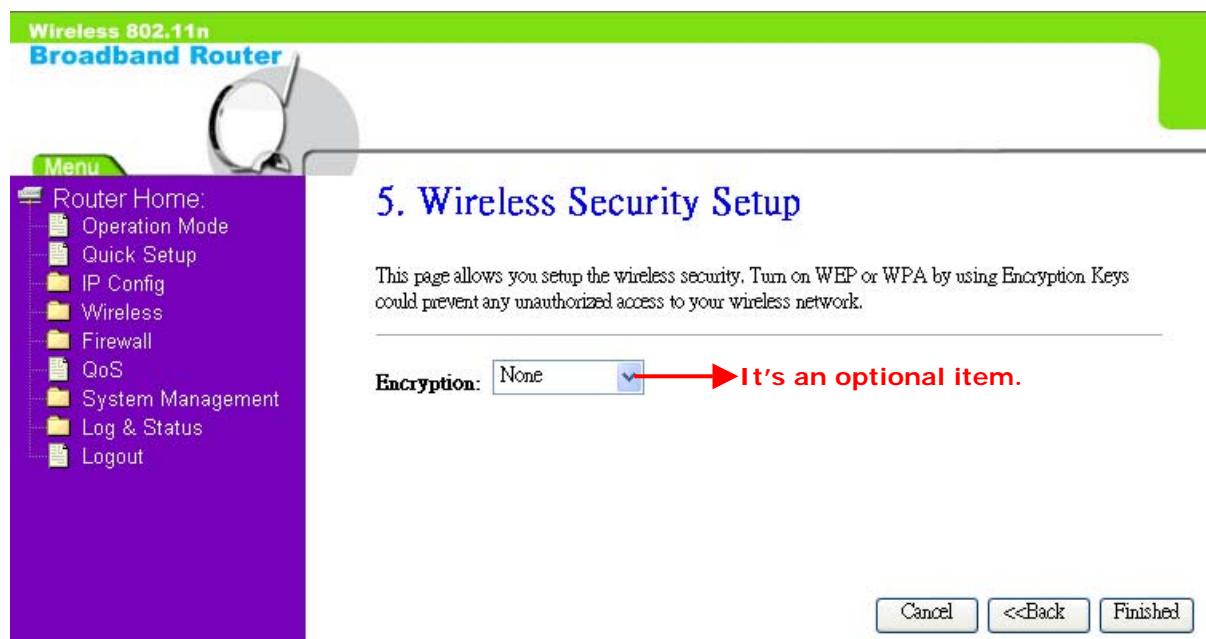
Enable Mac Clone (Single Ethernet Client)

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:

**Wireless 802.11n 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:** WEP

**Key Length:** 64-bit

**Key Format:** Hex (10 characters)

**Key Setting:** \*\*\*\*\*

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

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

Cancel <<Back Finished

No matter if your 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 "Key Setting" 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).

#### 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 key is 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.

Wireless 802.11n  
Broadband Router

Menu

- Router Home:
- Operation Mode
- Quick Setup
- IP Config
- Wireless
- Firewall
- QoS
- 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:** WPA (TKIP)  **Select it by your request**

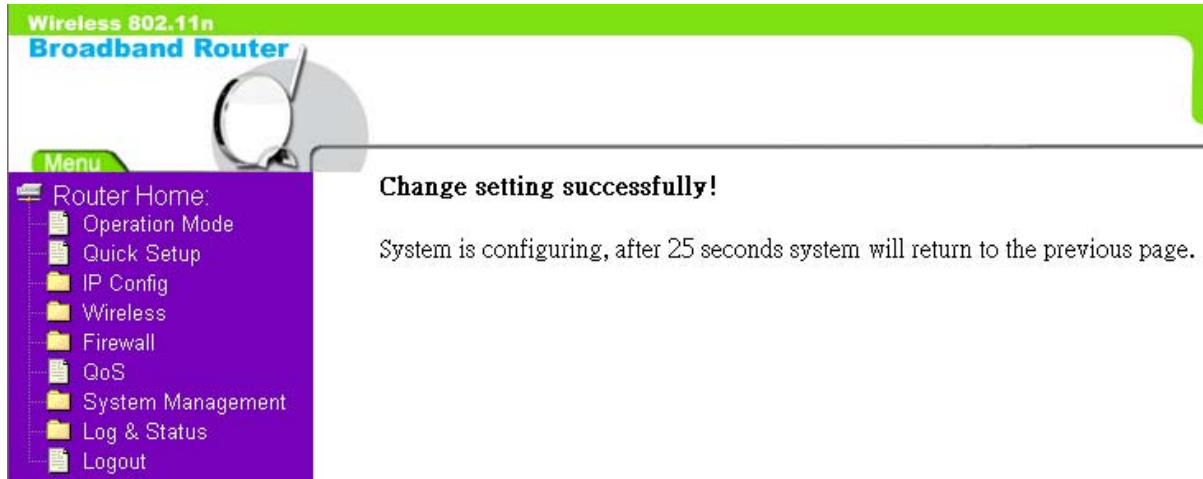
**Pre-Shared Key Format:** Passphrase  **Please select it under your demand**

**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:

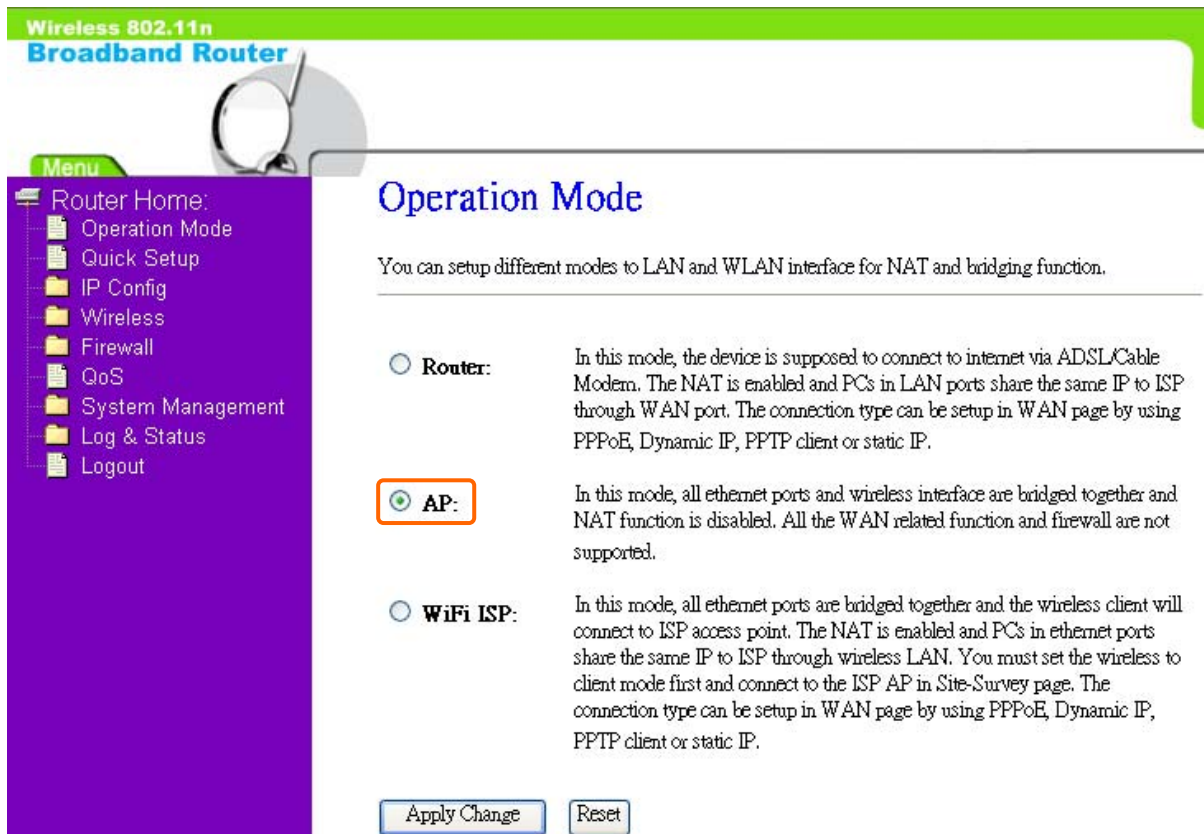


The system will be rebooting automatically and goes to the Product's Diagram Homepage after countdown completed.

## Chapter 2 AP Mode's Quick Setup

### 2.1 AP mode's Configuration

Please go to the Homepage, and select "**Operation Mode**", then click on "**AP**" and "**Apply Change**":



The screenshot shows the configuration interface for a "Wireless 802.11n Broadband Router". On the left is a purple navigation menu with the following items: Router Home, Operation Mode, Quick Setup, IP Config, Wireless, Firewall, QoS, System Management, Log & Status, and Logout. The main content area is titled "Operation Mode" and contains the text: "You can setup different modes to LAN and WLAN interface for NAT and bridging function." Below this text are three radio button options: "Router:", "AP:", and "WiFi ISP:". The "AP:" option is selected and highlighted with a red border. Each option has a descriptive paragraph explaining its function. At the bottom of the page are two buttons: "Apply Change" and "Reset".

**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, Dynamic IP, 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.
- WiFi ISP:** 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, Dynamic IP, PPTP client or static IP.

Then you will see the main page of "Setup Wizard", which means you already enter the page of AP mode's Quick Setup:

The screenshot shows the 'Setup Wizard' page in the router's web interface. The page has a green header with 'Wireless 802.11n Broadband Router' and a purple sidebar menu. The main content area is white and contains the following text:

**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. Setup LAN Interface
2. Wireless LAN Setting
3. Wireless Security Setting

Next>>

## 2.2 The Introduction of AP mode's Quick Setup

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

This screenshot is identical to the one above, showing the 'Setup Wizard' page. The 'Next>>' button at the bottom right is highlighted with a red border.

---

## 2.2.1 LAN Interface Setup

If you are using the Broadband Router with multiple PCs on your LAN, please set up this function for multiple users to connect it. The default LAN IP address for Broadband Router is 20.64.64.64

Wireless 802.11n  
Broadband Router

Menu

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

### 1. LAN Interface Setup

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..

**IP Address:**  → The default data is suggested to use.

**Subnet Mask:**

Cancel <<Back Next>>

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



## 2.2.2 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 **Broadband\_Router**, it's suggested to use.

**2. Wireless Basic Settings**

This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point.

**Band:** 2.4 GHz (B+G+N)

**Mode:** AP  *Select the suitable item for you to use.*

**Network Type:** Infrastructure

**SSID:** Broadband\_Router  *It's suggested to use*

**Channel Width:** 40MHz

**ControlSideband:** Upper

**Channel Number:** 11

**Enable Mac Clone (Single Ethernet Client)**

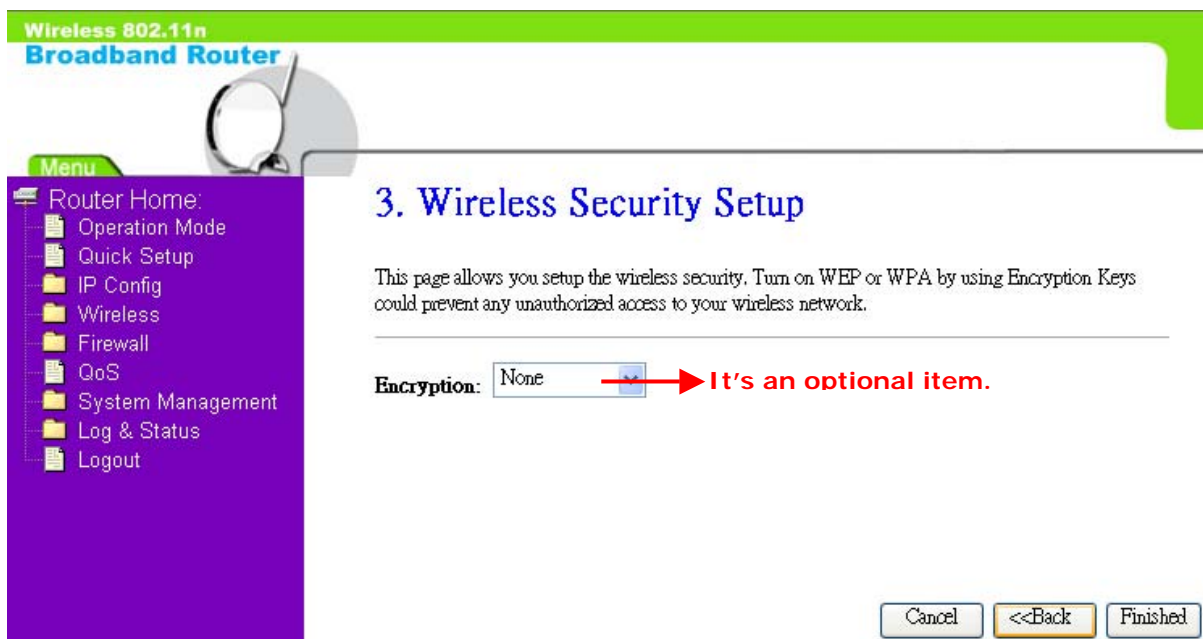
Please click on “Next” button to connect to next step.

---

### 2.2.3 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:

Menu


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

### 3. 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:   **It has low level (64-bit) and high level (128-bit).**

Key Length:

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).**

Key Setting:

No matter if your 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 "Key Setting" 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).

#### 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 key is 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.

Menu

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

### 3. 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:**

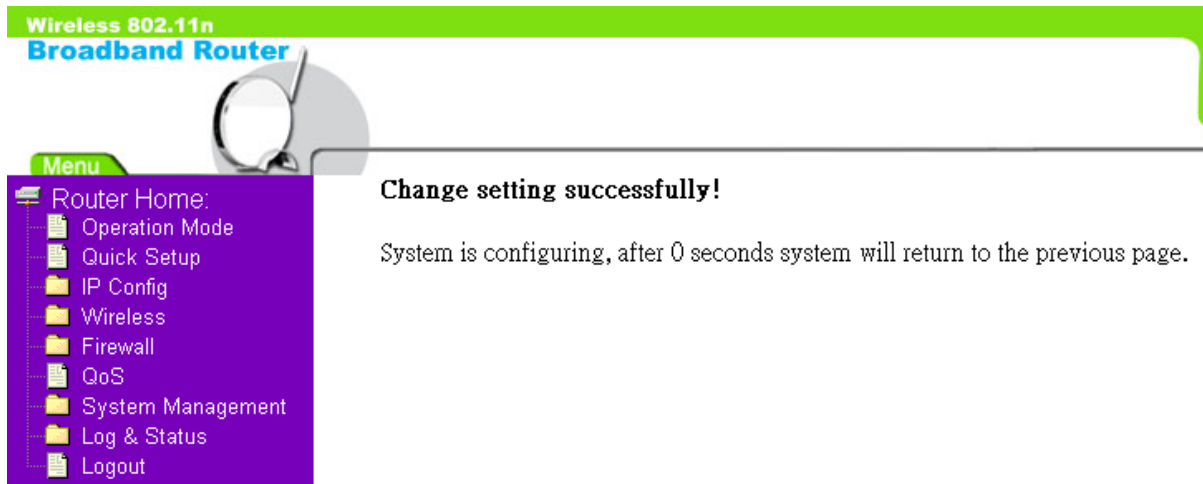
**Please input it as necessary**

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

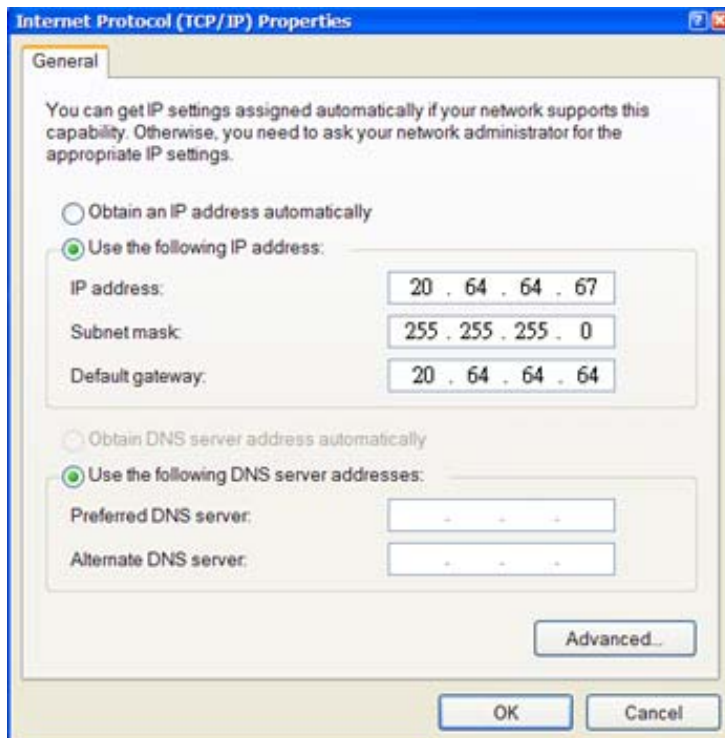
---

## 2.2.4 Quick Setup Finish

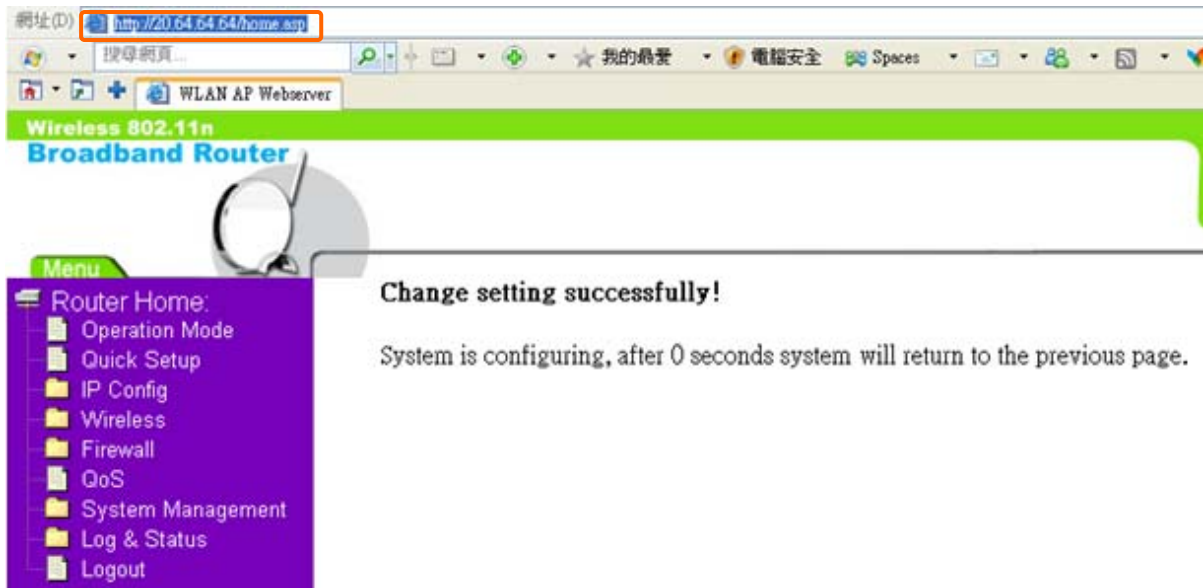
The Quick Setup has been completed successfully when you see this screen:



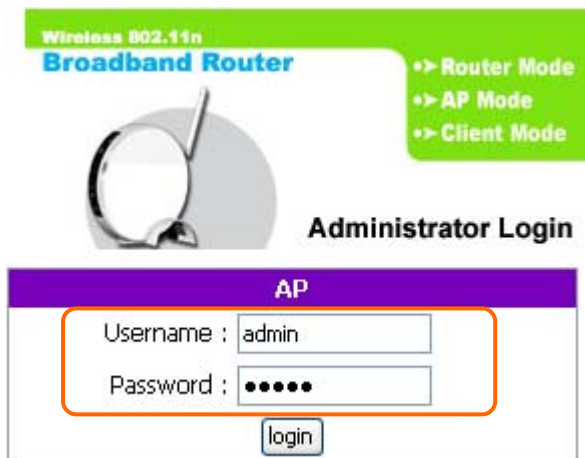
The DHCP of AP Mode is in disable status; so once if the countdown is at 0 seconds, please come to the "Internet Protocol (TCP/IP)" to set up the Static IP; please check it as the followings:



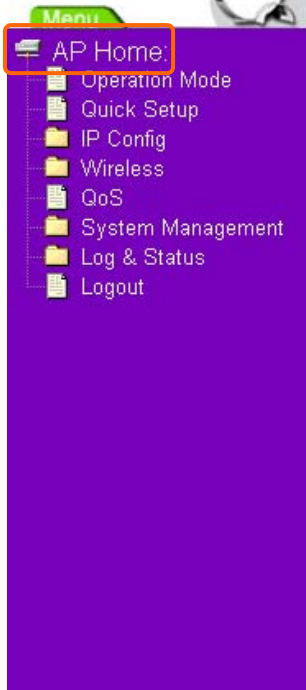
Then please enter <http://20.64.64.64> on the IE bar (This is the default LAN IP address of AP Mode):



And then the AP Login page will appear, 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 “login” to enter the homepage:



The system will go to the main page of “Operation Mode”, and you will see the “AP Home” appearing on left sub menu, which means the Quick Setup of AP mode is successfully completed:



## 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, Dynamic IP, 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.
- WiFi ISP:** 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, Dynamic IP, PPTP client or static IP.

Apply Change

Reset

## Chapter 3 WiFi ISP Mode's Quick Setup

### 3.1 WiFi ISP Mode's Quick Setup Instruction

Please go to the Homepage, and select "**Operation Mode**", then click on "**WiFi ISP**" and "**Apply Change**":



Wireless 802.11n  
Broadband Router

Menu

- Router Home:
- Operation Mode
- Quick Setup
- IP Config
- Wireless
- Firewall
- QoS
- 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, Dynamic IP, 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.

**WiFi ISP:** 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, Dynamic IP, PPTP client or static IP.

Then you will enter the page of "Wireless Site Survey", This function provides you with scanning the wireless network; which means if any Access Point is found, you could choose to connect it manually when the client is enabled, and after you choose the desired Access Point; this name will be listed automatically in the "SSID" of "Wireless Basic Settings" page for you to check.

After you choose the Access Point, Please click on "Next" to connect to next step:



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## Wireless Site Survey

This page provides tool to scan the wireless network. If any Access Point or IBSS is found, you could choose to connect it manually when client mode is enabled.

SSID	BSSID	Channel	Type	Encrypt	Signal	Select
Storage_Fax_Server_Router	00:14:85:d0:bc:8b	6 (B+G)	AP	no	49	<input type="radio"/>
Black	00:d0:41:ab:f2:64	6 (B+G)	AP	WPA-PSK	47	<input type="radio"/>
PIANO_TEST	00:14:85:d0:be:9c	6 (B+G)	AP	WEP	45	<input type="radio"/>
BT_Server	00:14:85:d0:be:f9	6 (B+G)	AP	no	39	<input checked="" type="radio"/>
330_testlab	00:0e:68:ff:05:76	1 (B+G)	AP	no	35	<input type="radio"/>
WL700gE	00:17:31:2a:8f:a4	1 (B+G)	AP	no	35	<input type="radio"/>
NaviR620_Hub_Sam	00:0d:f0:25:60:cf	6 (B+G)	AP	no	31	<input type="radio"/>
Broadband_Router	00:ca:ff:ee:ba:75	11 (B+G)	AP	no	27	<input type="radio"/>
Wireless_Powerline_Router	00:d0:41:ab:f4:b0	6 (B+G)	AP	no	13	<input type="radio"/>

Refresh

NEXT>>

Then you will see the main page of "Setup Wizard", which means you already enter the page of WiFi ISP mode's Quick Setup:

Menu

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## 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. Setup LAN Interface
2. Wireless LAN Setting
3. Wireless Security Setting

Next>>

## 3.2 The Introduction of WiFi ISP mode's Quick Setup

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

Wireless 802.11n  
Broadband Router

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### Setup Wizard

The setup wizard will guide you to configure access point for first time. Please follow the setup wizard step by step.

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**Welcome to Setup Wizard.**

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

1. Setup LAN Interface
2. Wireless LAN Setting
3. Wireless Security Setting

Next>>

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### 3.2.1 LAN Interface Setup

If you are using the Broadband Router with multiple PCs on your LAN, please set up this function for multiple users to connect it. The default LAN IP for Broadband Router is 10.64.64.64

The screenshot shows the configuration interface for a Wireless 802.11n Broadband Router. The page title is "1. LAN Interface Setup". Below the title, there is a descriptive text: "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..". There are two input fields: "IP Address" with the value "10.64.64.64" and "Subnet Mask" with the value "255.255.255.0". At the bottom right, there are three buttons: "Cancel", "<<Back", and "Next>>". The "Next>>" button is highlighted with a red border. On the left side, there is a purple menu bar with the following items: Router Home, Operation Mode, Quick Setup, IP Config, Wireless, Firewall, QoS, System Management, Log & Status, and Logout.

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

### 3.2.2 Wireless Basic Settings

This function is used to configure the wireless LAN clients which may connect to your Access Point; once you connect the desired Access Point successfully, this name will be listed automatically in the "SSID".

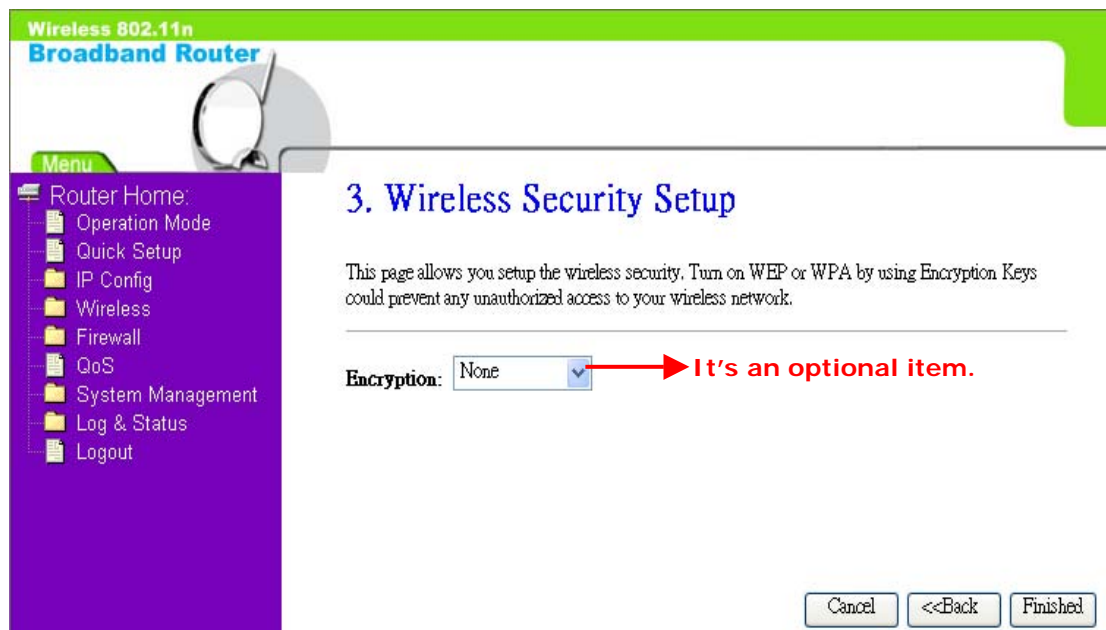
The screenshot shows the 'Wireless 802.11n Broadband Router' interface. On the left is a purple navigation menu with options: Router Home, Operation Mode, Quick Setup, IP Config, Wireless, Firewall, QoS, System Management, Log & Status, and Logout. The main content area is titled '2. Wireless Basic Settings' and includes a description: 'This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point.' Below this are several configuration fields: Band (2.4 GHz (B+G+N)), Mode (Client), Network Type (Infrastructure), SSID (Storage\_Server\_Router), Channel Width (40MHz), ControlSideband (Upper), and Channel Number (11). At the bottom, there is a checkbox for 'Enable Mac Clone (Single Ethernet Client)' and three buttons: Cancel, <<Back, and Next>>. A red arrow points from the SSID field to the 'Next>>' button, with a red text annotation: 'It's up to the Access Point of wireless LAN clients that you connect.'

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

### 3.2.3 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:

Wireless 802.11n  
Broadband Router

Menu

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### 3. 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: WEP

Key Length: 64-bit

Key Format: Hex (10 characters)

Key Setting: \*\*\*\*\*

It has low level (64-bit) and high level (128-bit).

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

Cancel <<Back Finished

No matter if your 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 "Key Setting" 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).

#### 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 key is determined.

##### WPA2 (AES):

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

Menu

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### 3. 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**

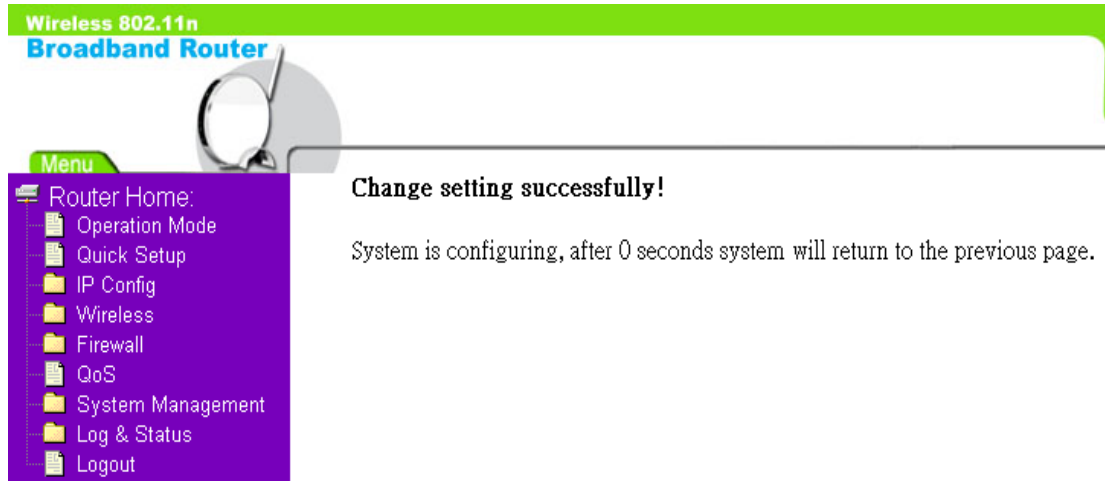
Pre-Shared Key:  **→ Please input it as necessary**

After setting up, please click on "Next" button to connect to next step.

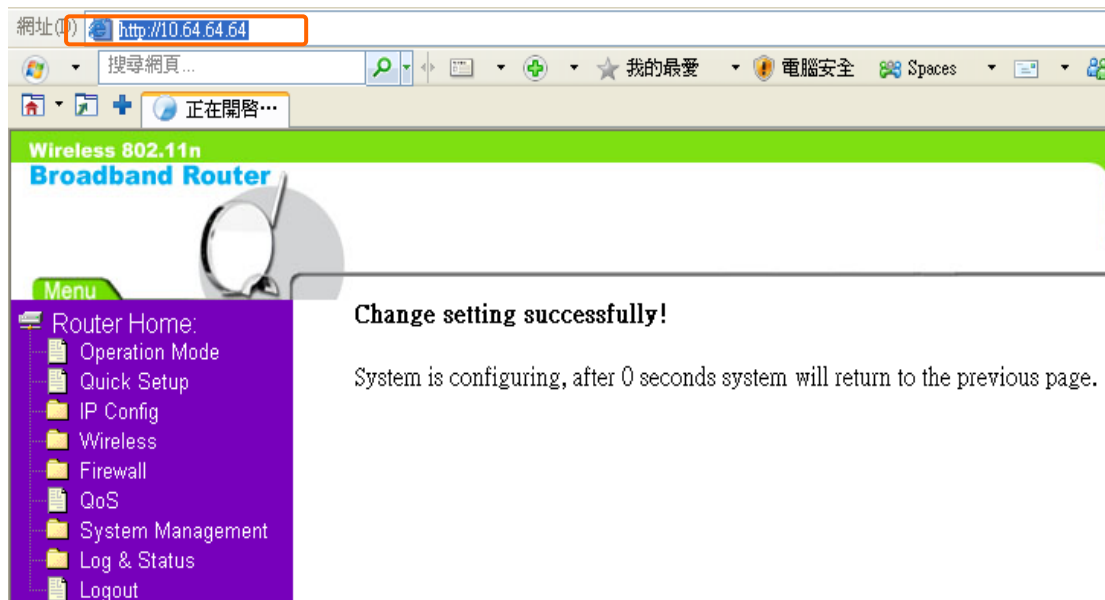
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### 3.2.4 Quick Setup Finish

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



Once if the countdown is at 0 seconds, please enter <http://10.64.64.64> on the IE bar (This is the default LAN IP address of WiFi ISP Mode):



And then the WiFi ISP Login page will appear, 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 "login" to enter the homepage:



Wireless 802.11n  
Broadband Router

➤ Router Mode  
 ➤ AP Mode  
 ➤ Client Mode

**Administrator Login**

WiFi ISP

Username : admin

Password : ●●●●

login

The system will go to the main page of "Operation Mode", and you will see the "WiFi ISP Home" appearing on left sub menu, which means the Quick Setup of WiFi ISP mode is successfully completed:

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Broadband Router

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## 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, Dynamic IP, 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.
- WiFi ISP: 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, Dynamic IP, PPTP client or static IP.

Apply Change    Reset

## **FCC statement in User's Manual (for class B)**

### **"Federal Communications Commission (FCC) Statement**

This Equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

### FCC Caution:

1. The 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.
  
2. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.
  
3. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.
  
4. The 20cm safe distance from antenna to the user shall be maintained.