

# 802.11n HSUPA Mobile Router

*User Manual*



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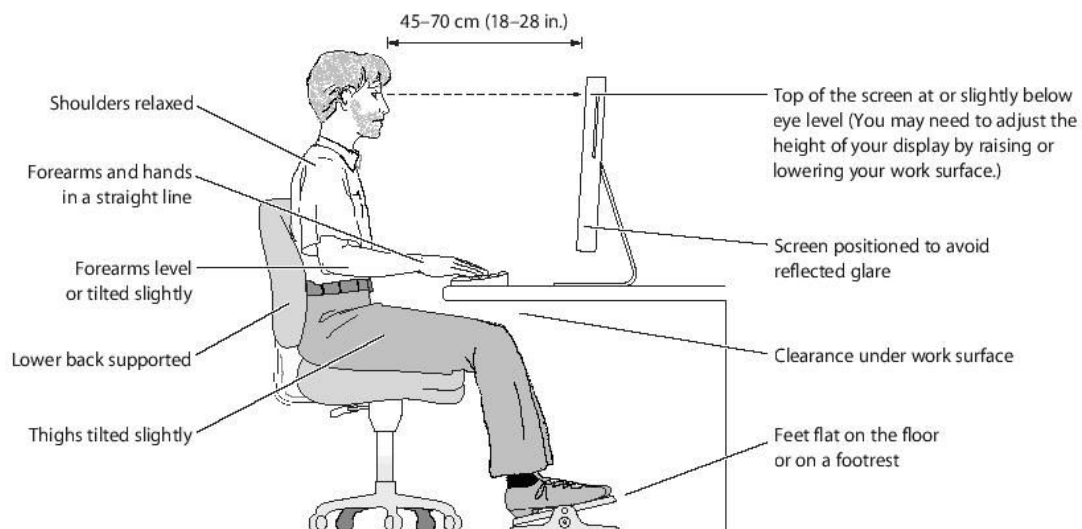
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## Safe Seating Gestures

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

- An adjustable chair that provides firm, comfortable support is best.
- Adjust the height of the chair so your thighs are horizontal and your feet flat on the floor.
- 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 Ecom 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 Introduction

## 1.1 Overview

Equipped with HSUPA module, and high capacity LI-ON battery, 802.11n HSPA Mobile Router is self-contained, no need for power adapter and external USB modem for Internet connection. As long as there is 3G signal, you can create your own hotspot wherever you may be. Furthermore, all your WiFi device, such as computers, iPad, gaming gear, smart phone, photo frame ...etc. can attach to 802.11n HSPA Mobile Router, and get online in minutes.

By adopting latest, state-of-the-art WLAN technology, 802.11n HSPA Mobile Router implements cutting-edge Green WLAN "Active-ECO" algorithm, which controls automatically the power consumption in accordance with WLAN and Ethernet activities, no setting or push-button required. Plus the low power consumption, environmental-friendly design, 802.11n HSPA Mobile Router creates staggering 6 hours operation, and 48 hours stand-by battery usage without performance compromise.

Whether in-car Internet, campus network access, or Internet activities at tradeshow, or just a home network without ADSL reaches, 802.11n HSPA Mobile Router helps you establishing the Internet connection in minutes.

## 2.1 Features

- With latest Green WLAN technology, no more setting or push-button required to save up to 80% energy without compromise performance.
- Internal HSUPA module for 3G wire-free mobile Internet access
- Superb 802.11n 2T2R data rate: Max. 300Mbps downstream/upstream
- Multiple AP, Wi-Fi Protected Setup (WPS) button and WPA-PSK/WPA2-PSK support
- Automatic WAN type detection to establish the Internet within minutes no expertise required
- Fail-over backup mechanism to ensure your network connectivity
- One-touch WPS button for secure wireless network inter-connection
- UPnP, QoS, VPN pass-through, advanced firewall security with port filter, URL blocking support

### 3.1 Specifications

Hardware specification			
WAN 1	Technical Standard	HSUPA	3GPP R6, up to 5.76Mbps UL
		HSDPA	3GPP R6, up to 7.2M bps DL, category 7/8
		UMTS	Up to 384 Kbps DL and UL
		EDGE	3GPP Release4, class 12, up to 237 Kbps DL and 118Kbps UL
		GPRS	Up to 85.6 Kbps DL and 42.8 Kbps UL
	Frequency Band	GSM/GPRS/EDGE	850/900/1800/1900 MHz
		UMTS	Please contact your product supplier for UMTS band request
Ethernet	1 x 10Base/100M Base-TX, Auto MDI / MDI-X (Can be used as WAN via setting)		
WLAN	IEEE 802.11n (802.11b/g backward compatible)		
LED	WIRELESS/WPS, LAN/WAN, 3.5G, STATUS, POWER		
Antenna	Internal antenna x 2, 2T2R		
Operation			
Power Supply	12V DC power adapter, LI-ON battery, or mini USB: 5VDC, 2A		
Operation Temperature	0°C to 45°C (32°F to 113°F)		
Humidity	5% to 95% Non-Condensing		
Dimension	91 x 78 x 30 (mm)		
Software Specification			
WAN			
Connection Type	3G /DHCP / Static IP / PPPoE / PPTP / L2TP client/ Wi-Fi AP		
Connection Scheme	Connection-on-Demand, Auto-disconnect		
Active Mode	Always ON, Active on Demand, WAN status check		
Wireless LAN			
WLAN data rate	802.11n (up to 300Mbps, 2T2R), 802.11g (up to 54Mbps), 802.11b (up to 11Mbps)		
Antenna Gain	Internal 2T2R, 2 dBi antenna		
Security	WEP 64 or 128 bit/WPA/WPA2/WPA2 Mixed, WPS, WDS		
Network Features			
NAT	Virtual Server, Virtual DMZ / Dynamic Domain Name System (DDNS)		
Firewall	Port / IP Filtering, MAC address filtering, URL filtering System logging via Syslog		
Access control	IP filtering , Port filtering, URL filtering, MAC address filtering		
Management			
Web-based GUI for remote and local management			
Available Syslog monitoring support			

## 4.1 Product Appearance

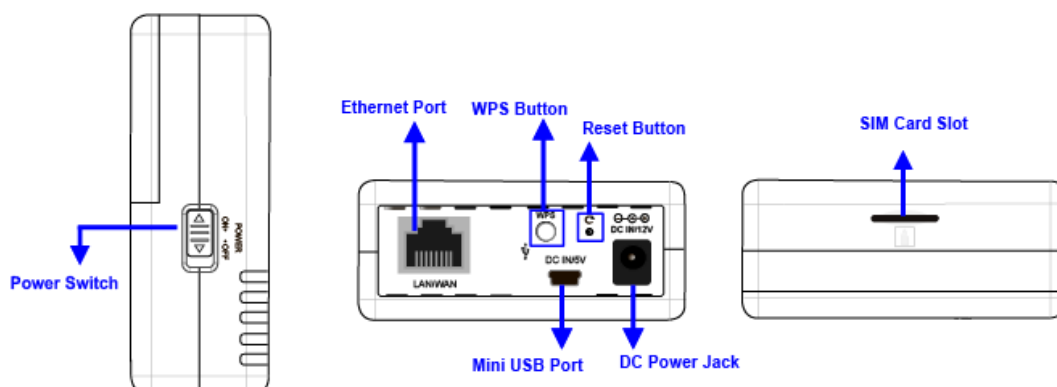
### ■ The Front



LED Indicator Status Description:

LED Indicator \ Status	Solid	Flashing
WIRELESS & WPS	Operation OK	Green: Transmitting Data Red: WPS enabled
LAN / WAN	Ethernet connected	Transmitting Data
3.5G	HSPA service is available	Connected to a network using HSPA
STATUS	Operation OK	Green: Reset / Firmware updates in progress
Power	Green: Battery fully charged Red: Low battery	Green: DC Power input or Battery charging

### ■ Side

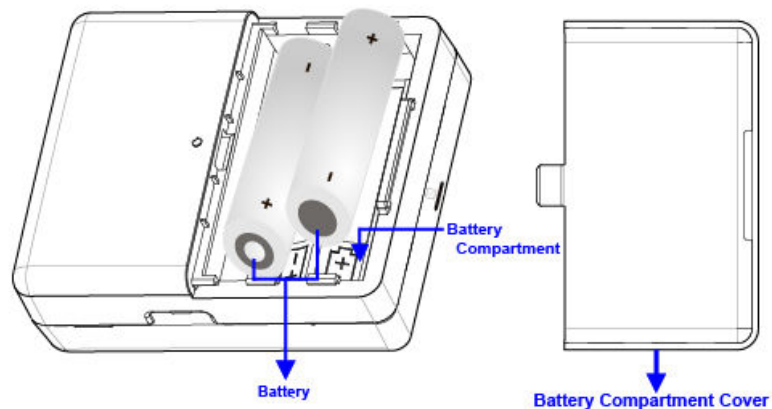


<b>Power On / Off</b>	Power switch
<b>LAN/WAN</b>	RJ-45 Ethernet 10/100 Ports



<b>WPS Button</b>	WPS function
<b>Reset Button</b>	Back to default setting
<b>Mini USB</b>	Power supply only
<b>DC Power Jack</b>	DC adapter plugged in
<b>SIM Card Slot</b>	The SIM card is inserted here

## ■ The Rear



<b>Battery</b>	Li-on Battery x2
<b>Battery Compartment</b>	Batteries are placed here

**Note:** It normally takes at least 4 hours to fully charge the battery. New batteries or batteries stored for a long time may take more time to charge.

## 5.1 Power Source

802.11n HSUPA Mobile Router will work from its battery or when plugged into a power source.

- **Battery:** The battery will last for up to 6 hours. Charge the battery by plugging in the AC adapter or car charger.
- **Wall power:** Use the 802.11n HSUPA Mobile Router by plugging it into a wall socket, the router battery will charge while it is plugged in.
- **Mini USB power from a computer or car charger:** Plugged into USB port of a computer via a USB Y cable or a vehicle by a car charger. The battery will charge while it is connected with a vehicle.

# System and Network Setup

To begin with 802.11n HSUPA Mobile Router, you must have the following minimum system requirements. If your system can't correspond to the following requirements, you might get some unknown troubles on your system.

- Internet Account for XDSL/Cable Modem, broadband or 3G
- One Ethernet (10 BASE-T or 10/100 BASE-TX) network interface card.
- TCP/IP and at least one web browser software installed (E.g.: Internet Explorer 5.0, Netscape Navigator 7.x, Apple Safari 2.03 or higher version).
- At least one 802.11g (54Mbps) or one 802.11b (11Mbps) wireless adapter for wireless mobile clients.
- Recommended OS: Windows XP, Vista or Win 7 / Linux.

## 6.1 Build Network Connection

Administrator can manage the settings for WAN, LAN, Wireless Network, NAT, password, User Accounts, Firewall, etc.

Please confirm the network environment or the purpose before setting this product.



## 7.1 Network setup

After the network connection is built, the next step is setup the router with proper network parameters, so it can work properly in your network environment. Before you connect to the

wireless router and start configuration procedures, your computer must be able to get an IP address from the wireless router automatically (use dynamic IP address). If it's set to use static IP address, or you're unsure, please follow the below instructions to configure your computer with dynamic IP address:

If the operating system of your computer is....

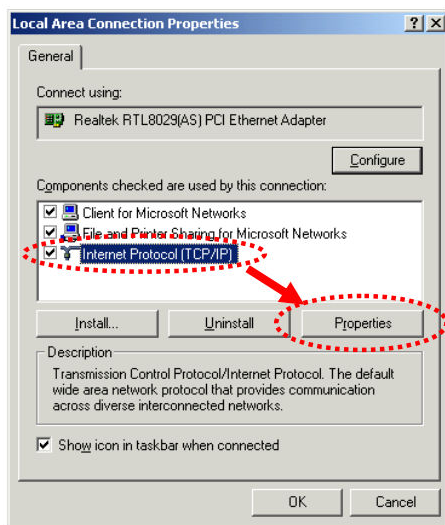
Windows 2000 - please go to section 2.2.1

Windows XP - please go to section 2.2.2

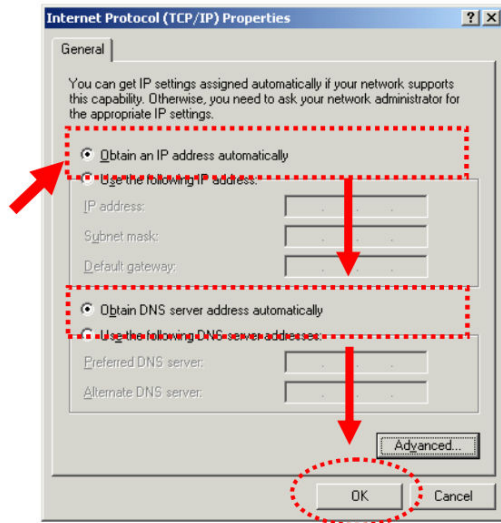
Windows Vista/Win7 - please go to section 2.2.3

### 1.7.1 Windows 2000

Click "Start" button (it should be located at lower-left corner of your computer), then click control panel. Double-click Network and Dial-up Connections icon, double click Local Area Connection, and Local Area Connection Properties window will appear. Select "Internet Protocol (TCP/IP)", then click "Properties".

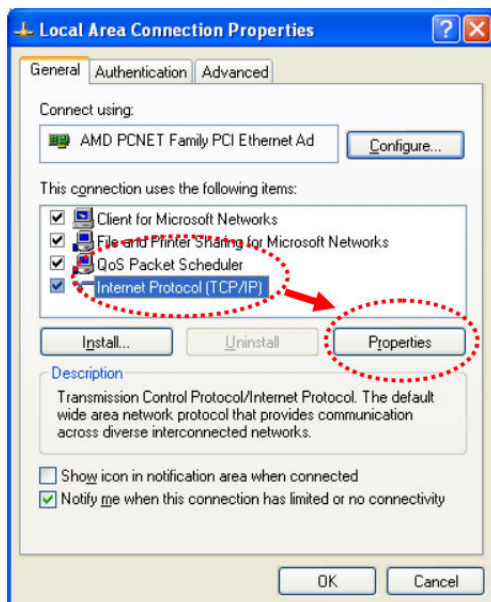


1. Select "Obtain an IP address automatically" and "Obtain DNS server address automatically", then click "OK".

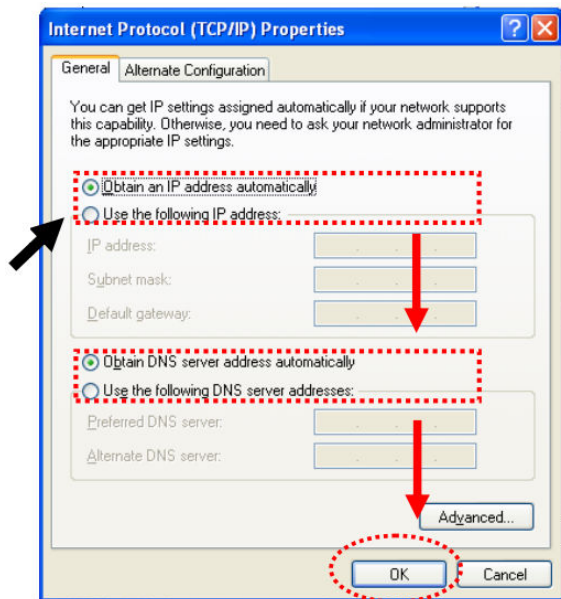


### 1.7.2 Windows XP

1. Click "Start" button (it should be located at lower-left corner of your computer), then click control panel. Double-click Network and Internet Connections icon, click Network Connections, then double-click Local Area Connection, Local Area Connection Status window will appear, and then click "Properties".

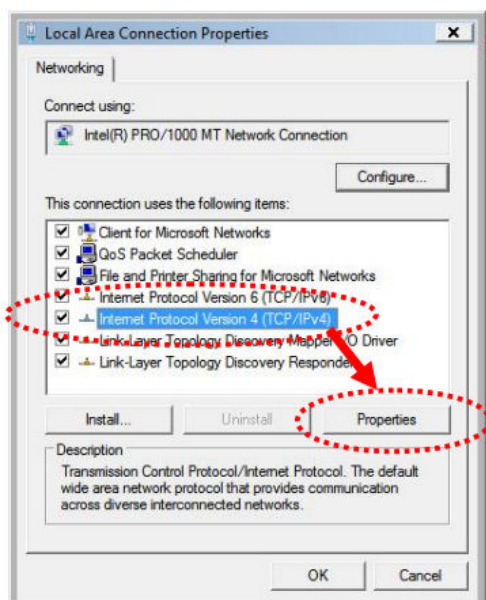


2. Select "Obtain an IP address automatically" and "Obtain DNS server address automatically", then click "OK".

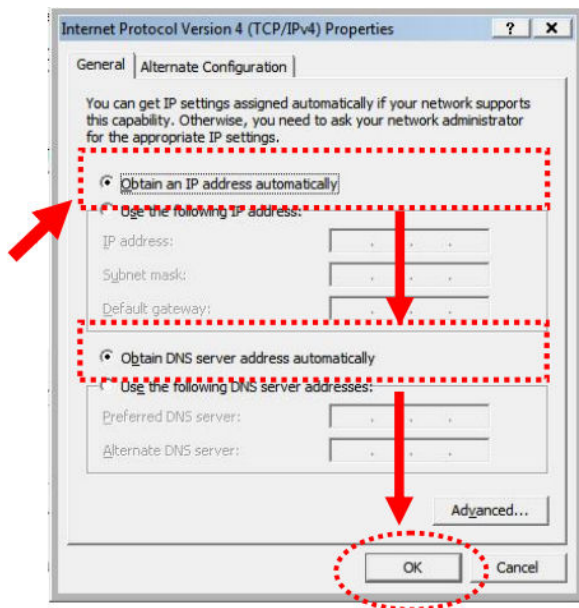


### 1.7.3 Windows Vista / Windows 7

1. Click "Start" button (it should be located at lower-left corner of your computer), then click control panel. Click View Network Status and Tasks, and then click Manage Network Connections. Right-click Local Area Network, then select "Properties". Local Area Connection Properties window will appear, select "Internet Protocol Version 4 (TCP / IPv4)", and then click "Properties".

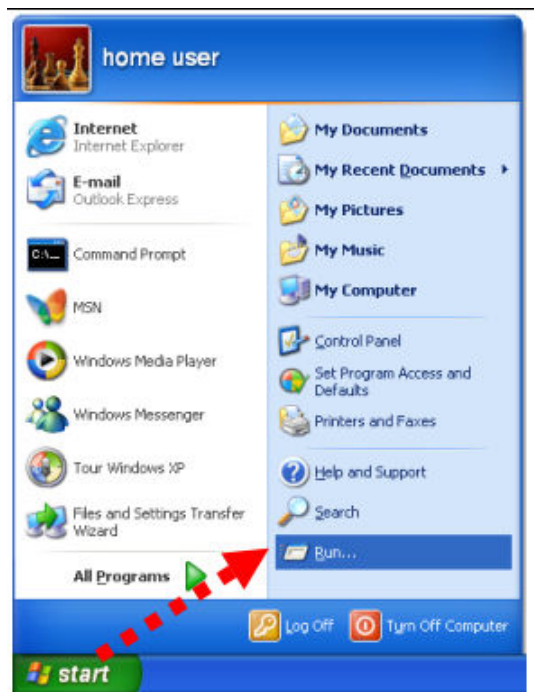


2. Select "Obtain an IP address automatically" and "Obtain DNS server address automatically", then click "OK".

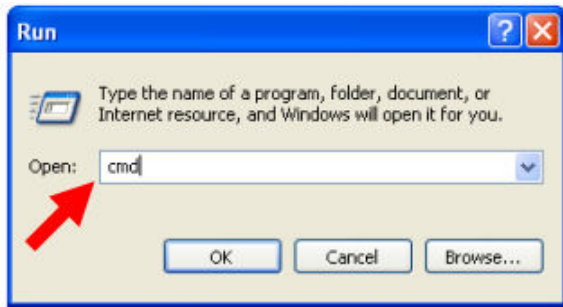


## 8.1 Router IP Address Lookup

After the IP address setup was completed, please click “start” ⇒ “run” at the bottom-lower corner of your desktop:



Input “cmd”, and then click “OK”.



Input “ipconfig”, then press “Enter” key. Please check the IP address followed by “Default Gateway” (In this example, the gateway IP address of router is 192.168.1.1)



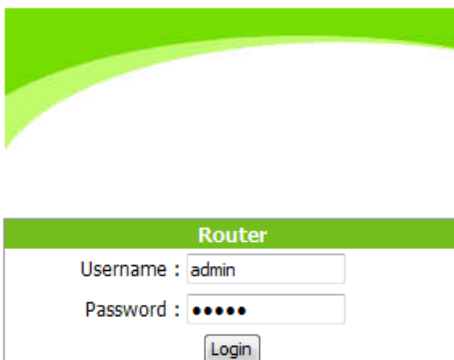
NOTE: If the IP address of Gateway is not displayed, or the address followed by 'IP Address' begins with "169.x.x.x", please recheck network connection between your computer and router, and / or go to the beginning of this chapter, to recheck every step of network setup procedure.

### 1.8.1 Log into Web GUI

After obtained an IP address from wireless router, please start your web browser, and input the IP address of the wireless router in address bar.



Notes: The default IP of the wireless router is 192.168.1.1



Enter the User name and Password in to the blank and then Click **Login**. The default values for User Name and Password are **admin** (all in lowercase letters).

**Menu**

- Router
- One Button Setup
- IP Config
- Wireless
- NAT
- Firewall
- System Management
- Log and Status
- Logout

## Network Config

This page shows the current status and some basic settings of the device.

---

System	
Uptime	0day19h:9m:10s
Firmware Version	Ver1.0.1
Wireless Configuration	
Mode	AP
Band	2.4 GHz (B+G+N)
SSID	Mini_3.5G_BR_c35e62
Channel Number	6
Encryption	Disabled
MAC Address	00:d0:41:c3:5e:61
Associated Clients	1
LAN Configuration	
Attain IP Protocol	Fixed IP
IP Address	192.168.1.1
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
DHCP Server	Enabled
MAC Address	00:d0:41:c3:5e:61
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:d0:41:c3:5e:62
3.5G Configuration	
Connect Speed	Auto Switch
Signal Strength	
Network Name	



# Internet Connection

This Chapter describes how to setup 802.11n HSPA Mobile Router to the internet. The 3G mini router is delivered with the following factory default parameters.

*Default IP address: 192.168.1.1*

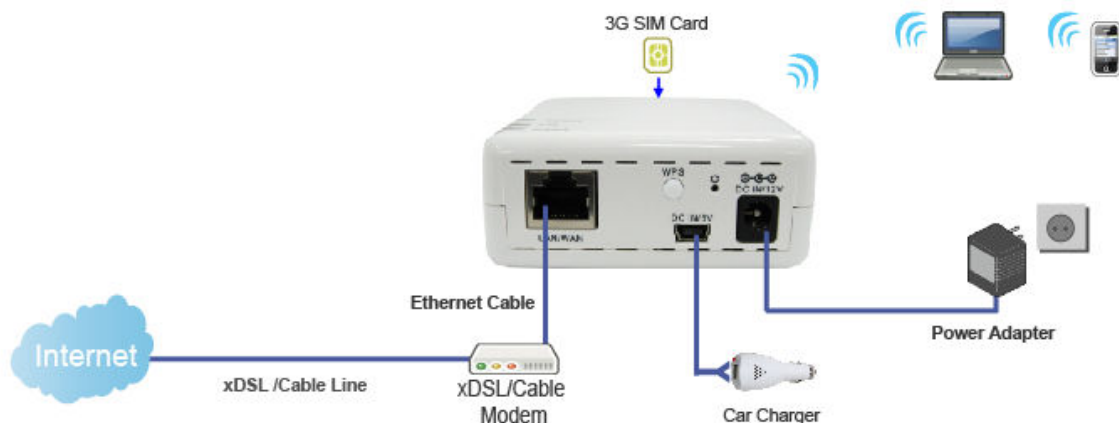
*Default IP subnet mask: 255.255.255.0*

*Web login user name: admin*

*Web login password: admin*

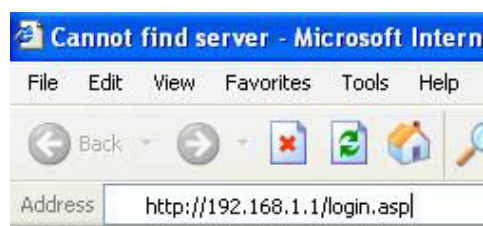
## 9.1 Plug and Play

The 802.11n HSPA Mobile Router supports three types of Internet connection: 3G/3.5G modem card, wire or wireless connection via xDSL/Cable modem. Just connect the 3G/3.5G modem card or Ethernet cable to 802.11n HSPA Mobile Router, the router will recognize it automatically.



## 10.1 Connect to Internet through web GUI

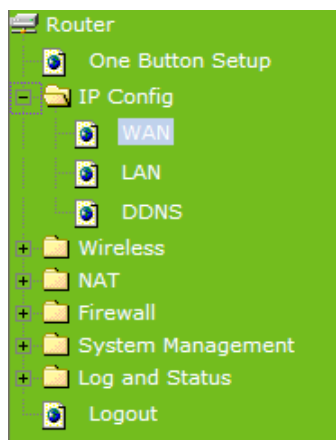
1. Open a Web browser, and enter <http://192.168.1.1> (Default Gateway) into the blank.



2. Enter the User name and Password in to the blank and then Click “Login”. The default values for User Name and Password are **admin** (all in lowercase letters).



The image shows a login interface for a router. It has a green header with the word "Router" in white. Below the header, there are two input fields: "Username : admin" and "Password : •••••". A "Login" button is located below the password field.



### 1.10.1 WAN Interface- 3.5G

Insert SIM Card before the setting.



Select WAN under the IP Config menu, and choose 3.5G for the WAN Interface. Its associated setting will show as below.

## 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 Interface:

Connect Speed: ☒ Auto Switch ☐ 2.5G/2.75G only ☐ 3G/3.5G only

SIM PIN:  ☒ None

Retype SIM PIN:

APN:

User Name:

Password:

PHONE Number:

☒ Attain DNS Automatically

☐ Set DNS Manually

DNS 1:

DNS 2:

DNS 3:

Clone MAC Address:

☒ Always

☐ Dial on demand

Idle  (0~60 Minutes, if input 0 or no input, it will set to Always mode)

☐ Manual

☒ Enable IGMP Proxy

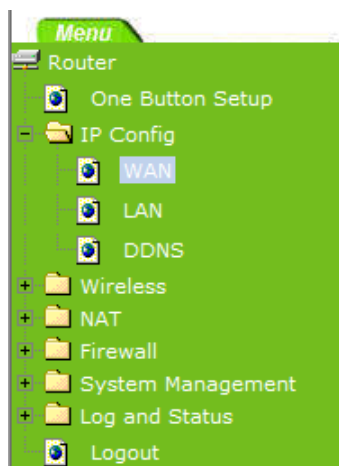
☐ Enable Ping Access on WAN

☐ Enable Web Server Access on WAN

Item	Description
<b>SIM PIN</b>	Input the PIN code provided by telecomm service provider or select "None" to unlock your SIM.
<b>APN (Access Point Name)</b>	Enter the access point name. <b>Note:</b> Your network service provider should have given you instructions with your APN (and user name and password, if required). Be sure you have and follow those instructions.
<b>User Name</b>	Enter the User Name supplied by the provider.
<b>Password</b>	Enter the password supplied by the provider.
<b>Phone Number</b>	Enter the subscribing access point's phone number.
<b>DNS</b>	Select "Attain DNS Automatically". Or select "Set DNS Manually", if you want to specify the DNS, and enter the DNS provided by

	your ISP in DNS 1 2 3.
<b>Clone Mac Address</b>	Some ISPs require MAC address registration. In this case, enter the MAC address registered to the provider to "Clone MAC Address"
<b>Always / Dial on demand</b>	If your HSPA account is a pay-as-you-go plan base, select "Dial on demand" and disconnect the connection when you don't use the internet.
<b>Apply Change &amp; Reset</b>	Click on "Apply Change" to save the setting date, or you may click on "Reset" to clear all the input data.

Rebooting this product is started. Please wait for a while.



**Change setting successfully!**

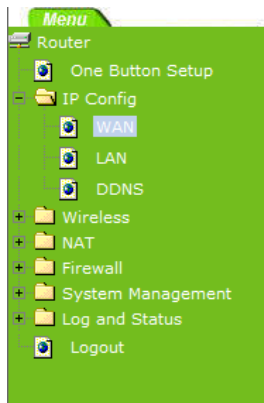
System is configuring, after 19 seconds....

### 1.10.2 WAN Interface- Ethernet Port

Connect the xDSL/Cable Modem to LAN/WAN port before setting.



The WAN access type is depended on the service that you contract with the provider. The 802.11n HSPA Mobile Router provides five selections for the WAN access type, **Static IP**, **DHCP Client**, **PPPoE**, **PPTP**, **L2TP**. Check with your ISP if you don't know the WAN type.



## 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 Interface:** Ethernet Port

**WAN Access Type:** DHCP Client

**Host Name:**

**MTU Size:**  (1400-1492 bytes)

### 1.10.2.1 Access Type- Static IP

Select **WAN** under the **IP Config** menu, and choose Ethernet Port for the WAN Interface. Its associated setting will show up.

## 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 Interface:** Ethernet Port

**WAN Access Type:** Static IP

**IP Address:** 172.1.1.1

**Subnet Mask:** 255.255.255.0

**Default Gateway:** 172.1.1.254

**MTU Size:** 1500 (1400-1500 bytes)

**DNS 1:**

**DNS 2:**

**DNS 3:**

**Clone MAC Address:** 000000000000

☒ **Enable IGMP Proxy**

☐ **Enable Ping Access on WAN**

☐ **Enable Web Server Access on WAN**

Apply Change Reset

Item	Description
WAN Access Type	Select "Static IP"
IP Address	Enter the IP address which is provided by your ISP.

<b>Subnet Mask</b>	Please enter the Subnet Mask address
<b>Default Gateway</b>	Input ISP Default Gateway Address, .
<b>DNS</b>	Input DNS information which is provided by your ISP
<b>Clone Mac Address</b>	Some ISPs require MAC address registration. In this case, enter the MAC address registered to the provider to "Clone MAC Address"
<b>Apply Change &amp; Reset</b>	Click on "Apply Change" to save the setting date, or you may click on "Reset" to clear all the input data.

### 1.10.2.2 Access Type- DHCP Client

#### 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 Interface:** Ethernet Port

**WAN Access Type:** DHCP Client

**Host Name:** default

**MTU Size:** 1492 (1400-1492 bytes)

☒ **Attain DNS Automatically**  
☐ **Set DNS Manually**

**DNS 1:**   
**DNS 2:**   
**DNS 3:**

**Clone MAC Address:** 000000000000

☒ **Enable IGMP Proxy**  
☐ **Enable Ping Access on WAN**  
☐ **Enable Web Server Access on WAN**

Apply Change Reset

Item	Description
<b>WAN Access Type</b>	Select " <b>DHCP Client</b> "
<b>Host Name</b>	You can keep the default as the host name, or input a specific name if required by your ISP.
<b>DNS</b>	Select <b>Attain DNS Automatically</b> . Or select <b>Set DNS Manually</b> , if you want to specify the DNS, and enter the DNS provided by your ISP in DNS 1 2 3.
<b>Clone Mac Address</b>	Some ISPs require MAC address registration. In this case, enter the MAC address registered to the provider to "Clone MAC

	Address"
<b>Apply Change &amp; Reset</b>	Click on "Apply Change" to save the setting date, or you may click on "Reset" to clear all the input data.

### 1.10.2.3 Access Type- PPPoE

## 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 Interface:** Ethernet Port

**WAN Access Type:** PPPoE

**User Name:**

**Password:**

**Service Name:**

**Connection Type:** Continuous Connect Disconnect

**Idle Time:** 5 (1-1000 minutes)

**MTU Size:** 1452 (1360-1492 bytes)

☒ **Attain DNS Automatically**  
☐ **Set DNS Manually**

**DNS 1:**

**DNS 2:**

**DNS 3:**

☒ [Backup of connection check connection in every](#)

**Clone MAC Address:** 000000000000

☒ **Enable IGMP Proxy**  
☐ **Enable Ping Access on WAN**  
☐ **Enable Web Server Access on WAN**

Apply Change Reset

Item	Description
<b>WAN Access Type</b>	Select " <b>PPPoE</b> "
<b>User Name</b>	Input your user name provided by your ISP. If you don't know, please check with your ISP.
<b>Password</b>	Input the password provided by your ISP.
<b>Service Name</b>	Input the service name provided by your ISP.
<b>Connection Type</b>	Three types for select: <b>Continues</b> , <b>Connect on Demand</b> , and <b>Manual</b> .
<b>DNS</b>	Select <b>Attain DNS Automatically</b> . Or select <b>Set DNS Manually</b> , if

	you want to specify the DNS, and enter the DNS provided by your ISP in DNS 1 2 3.
<b>Clone Mac Address</b>	Some ISPs require MAC address registration. In this case, enter the MAC address registered to the provider to "Clone MAC Address"
<b>Apply Change &amp; Reset</b>	Click on "Apply Change" to save the setting date, or you may click on "Reset" to clear all the input data.

#### 1.10.2.4 Access Type- PPTP

### 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 Interface:** Ethernet Port

**WAN Access Type:** PPTP

**Address Mode:** ☒ Dynamic ☐ Static

**Server IP Address:**

**User Name:**

**Password:**

**MTU Size:** 1460 (1400-1460 bytes)

☒ Attain DNS Automatically  
☐ Set DNS Manually

**DNS 1:**

**DNS 2:**

**DNS 3:**

☒ Backup of connection, check connection is success.

**Clone MAC Address:** 000000000000

☒ Enable IGMP Proxy  
☐ Enable Ping Access on WAN  
☐ Enable Web Server Access on WAN

Item	Description
<b>WAN Access Type</b>	Select "PPTP"
<b>Server IP Address</b>	Input your server IP address provided by your ISP. If you don't know, please check with your ISP.
<b>User Name</b>	Input PPTP account provided by your ISP.
<b>Password</b>	Input the password provided by your ISP.



<b>DNS</b>	Select <b>Attain DNS Automatically</b> . Or select <b>Set DNS Manually</b> , if you want to specify the DNS, and enter the DNS provided by your ISP in DNS 1 2 3.
<b>Clone Mac Address</b>	Some ISPs require MAC address registration. In this case, enter the MAC address registered to the provider to "Clone MAC Address"
<b>Apply Change &amp; Reset</b>	Click on "Apply Change" to save the setting date, or you may click on "Reset" to clear all the input data.

### 1.10.2.5 Access Type- L2TP

## 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 Interface: Ethernet Port

WAN Access Type: L2TP

Address Mode: ☒ Dynamic ☐ Static

Server IP Address/Host Name:

User Name:

Password:

MTU Size:  (1400-1460 bytes)

☒ Attain DNS Automatically

☐ Set DNS Manually

DNS 1:

DNS 2:

DNS 3:

☒ Display of connection check connection is easy

Clone MAC Address:

☒ Enable IGMP Proxy

☐ Enable Ping Access on WAN

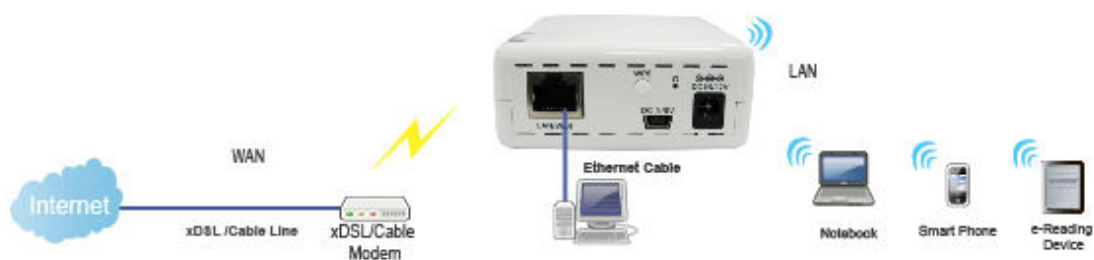
☐ Enable Web Server Access on WAN

Apply Change Reset

Item	Description
<b>WAN Access Type</b>	Select "PPTP"
<b>Server IP Address / Host Name</b>	Input your server IP address or Host Name provided by your ISP. If you don't know, please check with your ISP.
<b>User Name</b>	Input PPTP account provided by your ISP.

<b>Password</b>	Input the password provided by your ISP.
<b>DNS</b>	Select <b>Attain DNS Automatically</b> . Or select <b>Set DNS Manually</b> , if you want to specify the DNS, and enter the DNS provided by your ISP in DNS 1 2 3.
<b>Clone Mac Address</b>	Some ISPs require MAC address registration. In this case, enter the MAC address registered to the provider to "Clone MAC Address"
<b>Apply Change &amp; Reset</b>	Click on "Apply Change" to save the setting date, or you may click on "Reset" to clear all the input data.

### 1.10.3 WAN Interface- Wireless



Select WAN under the IP Config menu, and choose wireless for the WAN Interface. Its associated setting will show as below.

Menu

Router

One Button Setup

IP Config

WAN

LAN

DDNS

Wireless

NAT

Firewall

System Management

Log and Status

Logout

## 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 Interface:

Wireless

SSID	BSSID	Channel	Type	Encrypt	Signal	Select
Mini_3_SG_RR	00:d0:41:c3:5c:0d	6 (B+G+N)	AP	no	68	<input type="radio"/>
XXXXXXXX	00:0f:df:05:47:3f	1 (B+G+N)	AP	no	54	<input type="radio"/>
XXXXXXXX	00:d0:41:c0:44:6b	6 (B+G+N)	AP	WPA-PSK	52	<input type="radio"/>

Encryption:

None

Refresh

WAN Access Type:

DHCP Client

Host Name:

default

MTU Size:

1492

(1400-1492 bytes)

☒ Attain DNS Automatically
 ☐ Set DNS Manually

DNS 1:

DNS 2:

DNS 3:

Clone MAC Address:

000000000000

☒ Enable IGMP Proxy
 ☐ Enable Ping Access on WAN
 ☐ Enable Web Server Access on WAN

Apply Change

Reset

Item	Description
<b>Refresh</b>	You can see a list of available Wireless networks. Select the preferred one.
<b>Encryption type</b>	Select the Encryption type form the drop-down list.
<b>WAN Access Type</b>	Select Static IP, DHCP, PPPoE, PPTP or L2TP.
<b>DNS</b>	Select <b>Attain DNS Automatically</b> . Or select <b>Set DNS Manually</b> , if you want to specify the DNS, and enter the DNS provided by your ISP in DNS 1 2 3.
<b>Clone Mac Address</b>	Some ISPs require MAC address registration. In this case, enter the MAC address registered to the provider to "Clone MAC Address"
<b>Apply Change &amp; Reset</b>	Click on "Apply Change" to save the setting date, or you may click on "Reset" to clear all the input data.

# Wireless Setup

## 11.1 Wireless Setup

There are two ways to setup wireless LAN with 802.11n HSPA Mobile Router. You can use either way to setup Wireless LAN.

### 1.11.1 Setup Wireless LAN by WPS button

You can setup wireless LAN easily by using the WPS button if both WLAN router and the WLAN adapter (client) are WPS supported. Before starting the setup, please check the things below:

- Get ready for Internet connection with 802.11n HSPA Mobile Router
- The WLAN adapter is finished installation and plug in your computer/ laptop.

There are two ways to setup a wireless LAN between 802.11n HSPA Mobile Router and your wireless adapter:

1. Setup with WPS button, if your wireless adapter has a physical WPS button.

(1) Press the WPS button from 802.11n HSPA Mobile Router and wait for Wireless/WPS LED light (2) changed into red.

(2) Press the WPS button from the adapter until the setup window shows up.



- (3) Open a web browser to check the internet connection.



2. Setup without WPS button if you wireless adapter has only virtual WPS function.

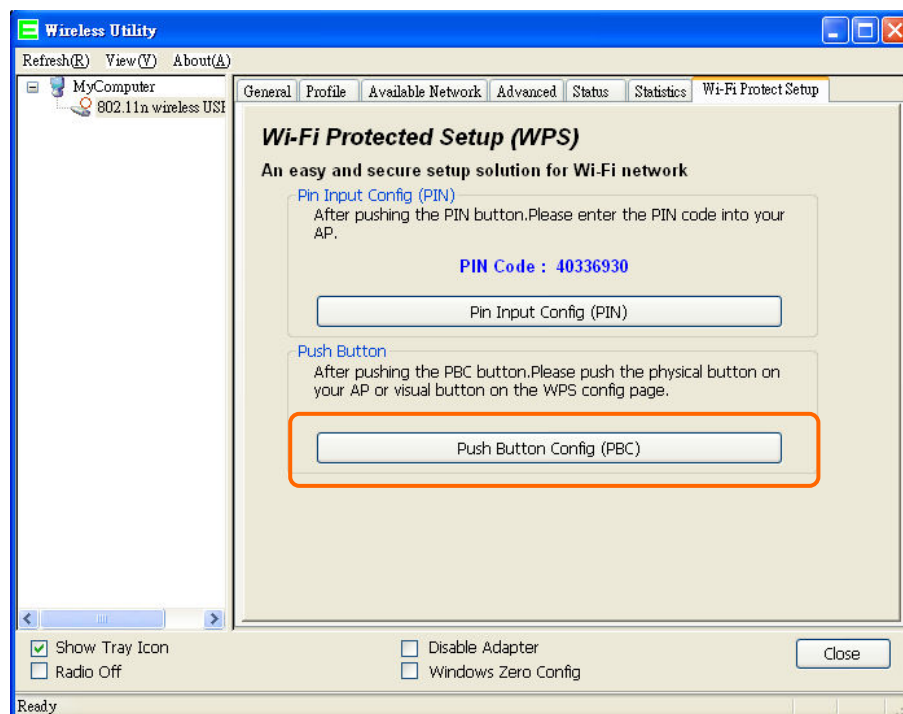
(1) Open Wireless adapter utility.



(2) Press the WPS button from 802.11n HSPA Mobile Router and wait for Wireless/WPS LED light changed into red.

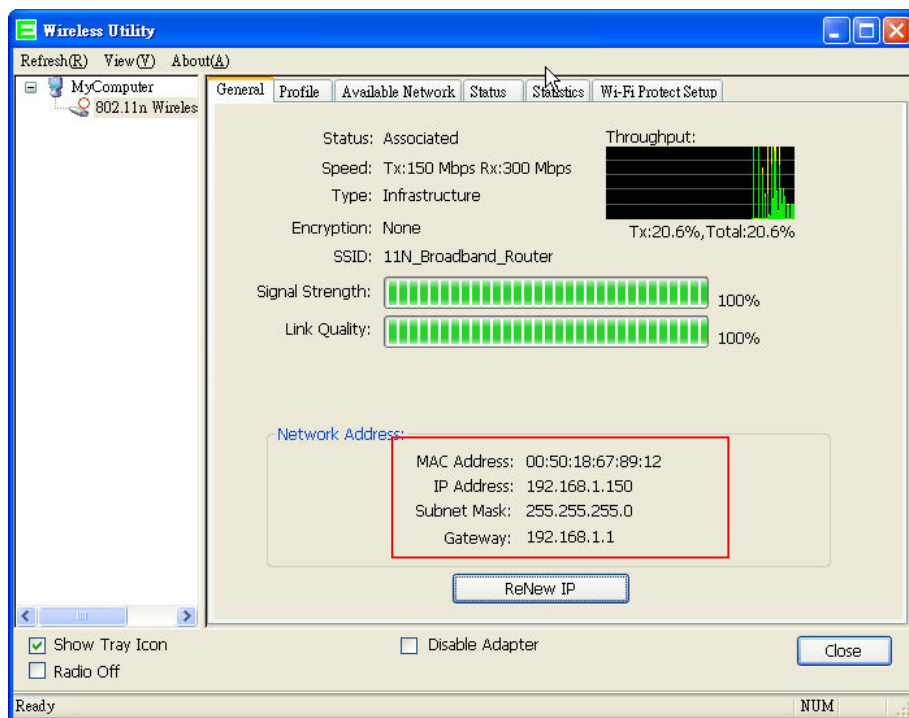


(3) Back to the WLAN adapter utility and click its "PBC" button.



The utility will start searching the destination connection.

(4) Confirm the information form the Utility

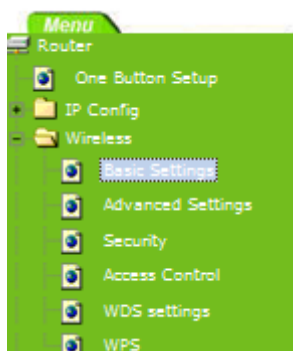


(5) After completes the WPS setup. Please confirm that it can be connected to the Internet.

Note: The setup image might be some differences when using other branded Adapter.

### 1.11.2 Wireless Basic Setup from Web GUI

The Wireless Basic Settings include Band, Mode, SSID, Channel Number and other wireless 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)

**Mode:** AP Multiple AP

**Network Type:** Infrastructure

**SSID:** Mini\_3.5G\_BR\_c35e62

**Channel Width:** 40MHz

**Control Sideband:** Upper

**Channel Number:** 6

**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 simultaneously)**

**SSID of Extended Interface:** E\_Mini\_3.5G\_BR\_c35e62

Apply Change Reset

Item	Description
<b>Disable Wireless LAN Interface</b>	Turn off the wireless service.
<b>Band</b>	Select the frequency. It has 6 options: 2.4 GHz (B/G/N/B+G/G+N/B+G+N).
<b>Mode</b>	Select the mode. It has 4 modes to select: (AP, Client, WDS, AP+WDS). Multiple AP: Please check Section 4.1.2.1.
<b>SSID</b>	Service Set identifier, users can define to any or keep as default.
<b>Channel Width</b>	Please select the channel width, it has 2 options: 20MHZ, and 40MHZ.
<b>Control Sideband</b>	Enable this function will control your router use lower or upper channel.
<b>Channel Number</b>	Please select the channel; it has Auto, 1, 2~12 or 13.
<b>Broadband SSID</b>	User may choose to enable Broadcast SSID or not.
<b>Data Rate</b>	Please select the data transmission rate.
<b>Associate Clients</b>	Check the AP connectors and the Wireless connecting status.

<b>Enable MAC Clone (Single Ethernet Client)</b>	Clone the MAC address for ISP to identify.
<b>Enable Universal Repeater Mode (Acting as AP and Client simultaneously)</b>	Allow to equip with the wireless way conjunction upper level, provide the bottom layer user link in wireless and wired way in the meantime.  (The IP that bottom layer obtains is from upper level.) Please also check Section 4.1.2.2 for more details.
<b>SSID of Extended Interface</b>	While linking the upper level device in wireless way, you can set SSID to give the bottom layer user search.
<b>Apply Change &amp; Reset</b>	Click on "Apply Change" to save the setting date, or you may click on "Reset" to clear all the input data.

### 1.11.2.1 Multiple APs

The 802.11n HSPA Mobile Router can register up to 4 SSIDs (wireless LAN group). It can be used as if there are multiple wireless LAN access points with one product. Each SSID could be set with different data rate, WMM and access type.

### Multiple APs

This page shows and updates the wireless setting for multiple APs.

No.	Enable	Band	SSID	Data Rate	Broadcast SSID	WMM	Access	Active Client List
AP1	<input checked="" type="checkbox"/>	2.4 GHz (B+G+N) ▾	Multiple_AP1	Auto ▾	Enabled ▾	Enabled ▾	LAN+WAN ▾	Show
AP2	<input checked="" type="checkbox"/>	2.4 GHz (B+G+N) ▾	Multiple_AP2	Auto ▾	Enabled ▾	Enabled ▾	LAN+WAN ▾	Show
AP3	<input checked="" type="checkbox"/>	2.4 GHz (B+G+N) ▾	Multiple_AP3	Auto ▾	Enabled ▾	Enabled ▾	LAN+WAN ▾	Show
AP4	<input checked="" type="checkbox"/>	2.4 GHz (B+G+N) ▾	Multiple_AP4	Auto ▾	Enabled ▾	Enabled ▾	LAN+WAN ▾	Show

Item	Description
<b>Enable</b>	Enable or disable the service.
<b>Band</b>	Select the frequency.
<b>SSID</b>	Enter the SSID
<b>Data Rate</b>	Select the data transmission rate.
<b>Access</b>	<p>Enable this function can let clients use two access types:</p> <p>a. LAN+WAN: the client can access to the Internet and access in the router's GUI.</p> <p>b. WAN: the client can only access to the Internet.</p>



<b>Active Client List</b>	Display the properties of the client which is connecting successfully.
<b>Apply Change &amp; Reset</b>	Click on “Apply Change” to save the setting date, or you may click on “Reset” to clear all the input data.

### 1.11.2.2 Enable Universal Repeater Mode

The router can act as Station and AP at the same time. It can use Station function to connect to a Root AP and use AP function to service all wireless stations within its coverage.



Example: When users enable the Universal Repeater to connect to the upper level device, please fill in the upper level device's channel and SSID. Click on “Apply Changes” to save the settings.

(Please disable the DHCP service first)

<b>Channel Number:</b>	6
<b>Broadcast SSID:</b>	Enabled
<b>WMM:</b>	Enabled
<b>Data Rate:</b>	Auto
<b>Associated Clients:</b>	Show Active Clients
<input type="checkbox"/> Enable Mac Clone (Single Ethernet Client)	
<input checked="" type="checkbox"/> Enable Universal Repeater Mode (Acting as AP and client simultaneously)	
<b>SSID of Extended Interface:</b>	E_Mini_3.5G_BR_c35e62
<input type="button" value="Apply Change"/> <input type="button" value="Reset"/>	

Users can use the Network Configuration page to check the information about “Wireless Repeater Interface Configuration”.

## Network Config

This page shows the current status and some basic settings of the device.

System	
Uptime	0day:0h:54m:41s
Firmware Version	Ver1.0.1
WirelessConfiguration	
Mode	AP
Band	2.4 GHz (B+G+N)
SSID	
Channel Number	10
Encryption	Disabled
MAC Address	00:00:00:00:00:00
State	Scanning
WirelessRepeater Interface Configuration	
Mode	Infrastructure Client
ESSID	E_Mini_3.5G_BR_c35e62
Encryption	Disabled
MAC Address	00:00:00:00:00:00
Associated Clients	0
LAN Configuration	
Attain IP Protocol	DHCP
IP Address	192.168.1.254

## 12.1 Wireless Security Setup

Here users define the security type and level of the wireless network. Selecting different methods provides different levels of security. **Please note that using any encryption may cause a significant degradation of data throughput on the wireless link.** There are five Encryption types supported: “None”, “WEP”, “WPA (TKIP)”, “WPA2(AES)”, and “WPA2 Mixed”. Enabling WEP can protect your data from eavesdroppers. If you do not need this feature, select “None” to skip the following setting.

Menu

Router

One Button Setup

IP Config

Wireless

Basic Settings

Advanced Settings

Security

Access Control

WDS settings

WPS

NAT

Firewall

System Management

### 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.

Select SSID: Root AP - Mini\_3.5G\_BR\_c35e62 Apply Change Reset

Encryption: WEP

802.1x Authentication: Disable

Authentication: WEP

☐ Shared Key ☒ Auto

## 1. Encryption -- WEP Key

- (1) Set WEP Key: This section provides 64bit and 128bit WEP encryptions and two different shared key formats (ASCII and Hex) for wireless network.

### 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.

Select SSID: Root AP - Mini\_3.5G\_BR\_c35e62 Apply Change Reset

---

Encryption: WEP

802.1x Authentication: ☐

Authentication: ☐ Open System ☐ Shared Key ☒ Auto

Key Length: 64-bit

Key Format: Hex (10 characters)

Encryption Key: \*\*\*\*\*

## (2) 802.1x Authentication

It is a safety system by using authentication to protect your wireless network.

## 2. Encryption – WPA (WPA, WPA2, and WPA2 Mixed), WPA Authentication Mode

- (1) Enterprise (RADIUS): Please fill in the RADIUS server Port, IP Address, and Password

### 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.

Select SSID: Root AP - Mini\_3.5G\_BR\_c35e62 Apply Change Reset

---

Encryption: WPA

Authentication Mode: ☒ Enterprise (RADIUS) ☐ Personal (Pre-Shared Key)

WPA Cipher Suite: ☐ TKIP ☐ AES

RADIUS Server IP Address:

RADIUS Server Port: 1812

RADIUS Server Password:

- (2) Personal (Pre-Shared Key): Pre-Shared Key type is ASCII Code; the length is between 8 to 63 characters. If the key type is Hex, the key length is 64 characters.

## 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.

---

Select SSID: Root AP - Mini\_3.5G\_BR\_c35e62 Apply Change Reset

---

Encryption: WPA-Mixed

Authentication Mode: ☐ Enterprise (RADIUS) ☒ Personal (Pre-Shared Key)

WPA Cipher Suite: ☐ TKIP ☐ AES

WPA2 Cipher Suite: ☐ TKIP ☒ AES

Pre-Shared Key Format: HEX (64 characters)

Pre-Shared Key:

3. Apply Change & Reset: Click on “Apply Changes” to save setting data. Or click ‘Reset’ to reset all the input data.

### 13.1 Wireless Access Control

Access Control allows user to block or allow wireless clients to access this router. Users can select the access control mode, then add a new MAC address with a simple comment and click on “Apply Change” to save the new addition. To delete a MAC address, select its corresponding checkbox under the Select column and click on “Delete Selected” button.

## Wireless Access Control

If you choose 'Allowed Listed', only those clients whose wireless MAC addresses are in the access control list will be able to connect to your Access Point. When 'Deny Listed' is selected, these wireless clients on the list will not be able to connect the Access Point.

---

Wireless Access Control Mode: Disable

MAC Address:  Comment:

Apply Change Reset

Current Access Control List:

MAC Address	Comment	Select

Delete Selected Delete All Reset

Take the wireless card as the example.

1. Please select Deny Listed in Wireless Access Control Mode first, and then fill in the MAC address what you plan to block in the MAC Address field. Click “Apply Changes” to save the setting.

### Wireless Access Control

If you choose 'Allowed Listed', only those clients whose wireless MAC addresses are in the access control list will be able to connect to your Access Point. When 'Deny Listed' is selected, these wireless clients on the list will not be able to connect the Access Point.

---

Wireless Access Control Mode: Deny Listed ▾

MAC Address:  Comment:

Current Access Control List:

MAC Address	Comment	Select
-------------	---------	--------

2. The MAC address what you set will be displayed on the Current Access Control List.

### Wireless Access Control

If you choose 'Allowed Listed', only those clients whose wireless MAC addresses are in the access control list will be able to connect to your Access Point. When 'Deny Listed' is selected, these wireless clients on the list will not be able to connect the Access Point.

---

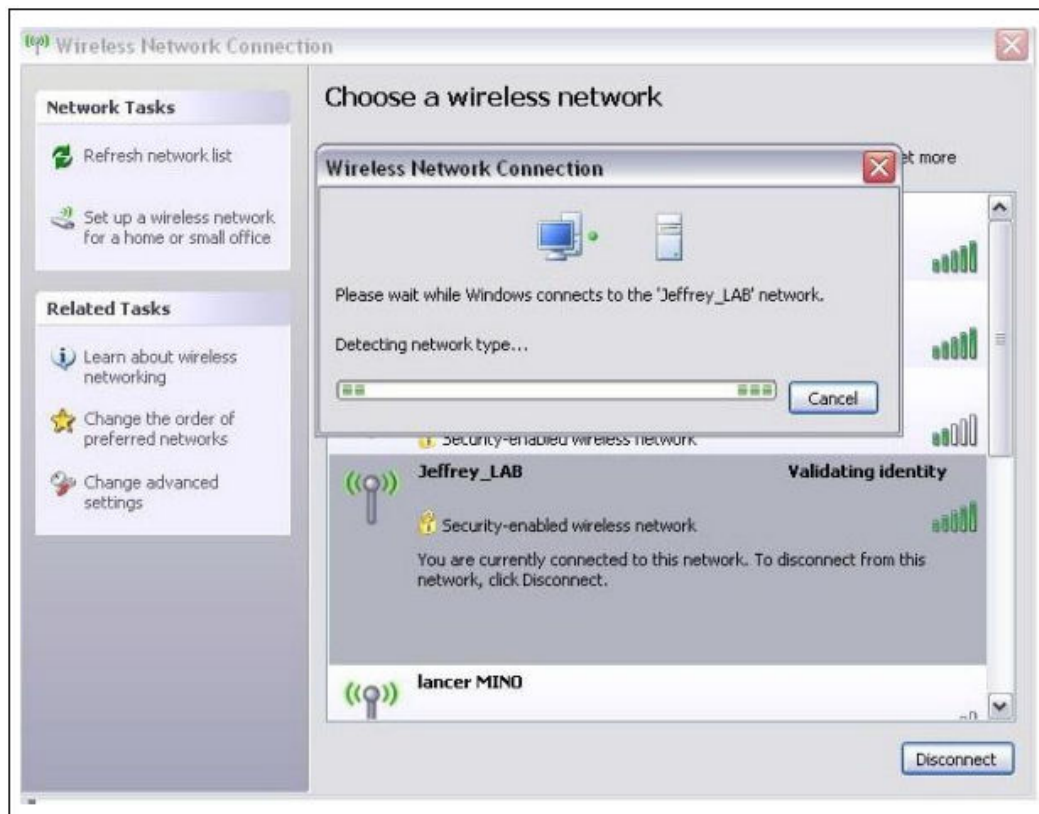
Wireless Access Control Mode: Deny Listed ▾

MAC Address:  Comment:

Current Access Control List:

MAC Address	Comment	Select
00:18:f8:63:8a:54		<input type="checkbox"/>

3. The wireless client will be denied by the wireless router.



# Security Setup

This section contains configurations for the 802.11n HSPA Mobile Router's advanced functions such as: virtual server, DMZ, and Firewall to provide your network under a security environment.

## 14.1 NAT

### 1.14.1 Visual Server

The Virtual Server feature allows users to create Virtual Servers by re-directing a particular range of service port numbers (from the WAN port) to a particular LAN IP address.

### Port Forwarding

Entries in this table allow you to automatically redirect common network services to a specific machine behind the NAT firewall. These settings are only necessary if you wish to host some sort of server like a web server or mail server on the private local network behind your Gateway's NAT firewall.

---

☐ **Enable Port Forwarding**

Address:  Protocol: Both ▾ Public Port Range:  -  Comment:

**Current Port Forwarding Table:**

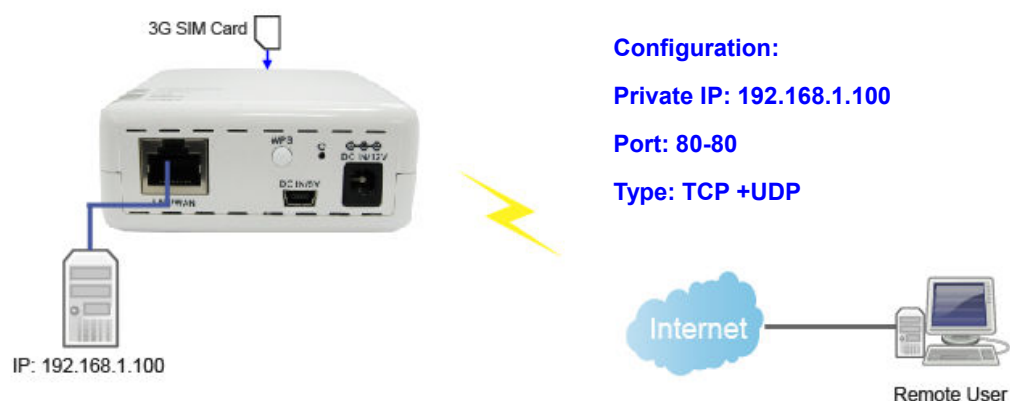
Local IP Address	Protocol	Port Range	Comment	Select
------------------	----------	------------	---------	--------

Item	Description
<b>Enable Port Forwarding</b>	Select to enable Port Forwarding service or not.
<b>IP Address</b>	Specify the IP address which receives the incoming packets.
<b>Protocol</b>	Select the protocol type.
<b>Port Range</b>	Enter the port number, for example 80-80 or 20-22
<b>Comment</b>	Add comments for this port forwarding rule.
<b>Apply Change &amp; Reset</b>	Click on "Apply Changes" to save the setting data. Or you may click on "Reset" to clear all the input data.
<b>Current Port Forwarding Table</b>	It will display all port forwarding regulation you made.
<b>Delete Selected &amp; Delete All</b>	Click "Delete Selected" will delete the selected item. Click "Delete All" will delete all items in this table.

<b>Reset</b>	Click "Reset" to cancel.
--------------	--------------------------

Please find the following figure to know that what the virtual server is. The web server is located on 192.168.1.100, forwarding port is 80, and type is TCP+UDP.

Configuration:



### 1.14.2 DMZ

The DMZ feature allows one local user to be exposed to the Internet for special-purpose applications like Internet gaming or videoconferencing. When enabled, this feature opens all ports to a single station and hence renders that system exposed to intrusion from outside. The port forwarding feature is more secure because it only opens the ports required by that application.

## 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**

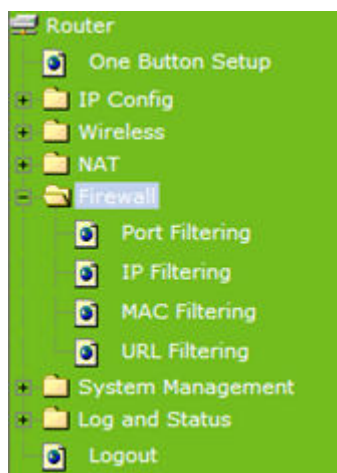
DMZ Host IP Address:

Item	Description
<b>Enable DMZ</b>	It will enable the DMZ service if you select it.



<b>DMZ Host IP Address</b>	Please enter the specific IP address for DMZ host.
<b>Apply Changes &amp; Reset</b>	Click on "Apply Changes" to save the setting data. Or you may click on "Reset" to clear all the input data.

## 15.1 Firewall



### 1.15.1 Port Filtering

When enabled packets are denied access to Internet/filtered based on their port address.

### Port Filtering

Entries in this table are used to restrict certain types of data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.

---

☐ **Enable Port Filtering**

Port Range:  -  Protocol:  Comment:

**Current Filter Table:**

Port Range	Protocol	Comment	Select
<input type="button" value="Delete Selected"/> <input type="button" value="Delete All"/> <input type="button" value="Reset"/>			

Item	Description
<b>Enable Port Filtering</b>	Select Enable Port Filtering to filter ports.
<b>Port Range</b>	Enter the port number that needs to be filtered.
<b>Protocol</b>	Please select the protocol type of the port.

<b>Comment</b>	You can add comments for this regulation.
<b>Apply Changes &amp; Reset</b>	Click on "Apply Changes" to save the setting data. Or you may click on "Reset" to clear all the input data.
<b>Current Filter Table</b>	It will display all ports that are filtering now.
<b>Delete Selected &amp; Delete All</b>	Click "Delete Selected" will delete the selected item. Click "Delete All" will delete all items in this table.
<b>Reset</b>	You can click "Reset" to cancel.

Port 80 has been blocked as the following illustrate.



### 1.15.2 IP Filtering

When enabled, LAN clients are blocked / filtered from accessing the Internet based on their IP addresses.

## IP Filtering

Entries in this table are used to restrict certain types of data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.

☐ Enable IP Filtering

Local IP Address:  Protocol:  Comment:

Current Filter Table:

Local IP Address	Protocol	Comment	Select
<input type="button" value="Delete Selected"/> <input type="button" value="Delete All"/> <input type="button" value="Reset"/>			

Item	Description
<b>Enable IP Filtering</b>	Please select Enable IP Filtering to filter IP addresses.
<b>Local IP Address</b>	Please enter the IP address that needs to be filtered.
<b>Protocol</b>	Please select the protocol type of the IP address
<b>Comment</b>	You can add comments for this regulation.
<b>Apply Changes &amp; Reset</b>	Click on “Apply Changes” to save the setting data. Or you may click on “Reset” to clear all the input data.
<b>Current Filter Table</b>	It will display all ports that are filtering now.
<b>Delete Selected &amp; Delete All</b>	Click “Delete Selected” will delete the selected item. Click “Delete All” will delete all items in this table.
<b>Reset</b>	You can click “Reset” to cancel.

### 1.15.3 MAC Filtering

When enabled, filtering will be based on the MAC address of LAN computers. Any computer with its MAC address on this list will be blocked from accessing the Internet.

## MAC Filtering

Entries in this table are used to restrict certain types of data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.

---

☐ **Enable MAC Filtering**

MAC Address: 
Comment:

**Current Filter Table:**

MAC Address	Comment	Select
<input type="button" value="Delete Selected"/> <input type="button" value="Delete All"/> <input type="button" value="Reset"/>		

Item	Description
<b>Enable MAC Filtering</b>	Please select Enable MAC Filtering to filter MAC addresses.
<b>MAC Address</b>	Please enter the MAC address that needs to be filtered.
<b>Comment</b>	You can add comments for this regulation.
<b>Apply Changes &amp; Reset</b>	Click on “ <b>Apply Changes</b> ” to save the setting data. Or you may click on “ <b>Reset</b> ” to clear all the input data.
<b>Current Filter Table</b>	It will display all ports that are filtering now.
<b>Delete Selected &amp; Delete</b>	Click “ <b>Delete Selected</b> ” will delete the selected item. Click “ <b>Delete</b>

<b>All</b>	<b>All</b> will delete all items in this table.
<b>Reset</b>	You can click <b>Reset</b> to cancel.

### 1.15.4 URL Filtering

URL Filtering is used to restrict users to access specific websites in internet

## URL Filtering

URL filter is used to deny LAN users from accessing the internet. Block those URLs which contain keywords listed below.

---

☐ Enable URL Filtering

URL Address:

Current Filter Table:

URL Address	Select

Item	Description
<b>Enable URL Filtering</b>	Please select Enable MAC Filtering to filter MAC addresses
<b>URL Address</b>	Please enter the MAC address that needs to be filtered.
<b>Apply Changes &amp; Reset</b>	Click on "Apply Changes" to save the setting data. Or you may click on "Reset" to clear all the input data.
<b>Current Filter Table</b>	It will display all ports that are filtering now.
<b>Delete Selected &amp; Delete All</b>	Click <b>"Delete Selected"</b> will delete the selected item. Click <b>"Delete All"</b> will delete all items in this table.
<b>Reset</b>	You can click <b>Reset</b> to cancel.

Notes: This function will not be in effect when the Virtual Server is enabled. Please disable Virtual Server before activate the URL Filtering function.

# Advanced Setup

## 16.1 LAN Interface Setup

This page is used to configure the parameters for local area network that connects to the LAN ports of your router. Here you may change the setting for IP address, subnet mask, DHCP, etc.

### 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:	<input type="text" value="192.168.1.1"/>
Subnet Mask:	<input type="text" value="255.255.255.0"/>
Default Gateway:	<input type="text" value="0.0.0.0"/>
DHCP:	<input type="text" value="Server"/>
DHCP Client Range:	<input type="text" value="192.168.1.100"/> - <input type="text" value="192.168.1.200"/> <input type="button" value="Show Client"/>
Static DHCP:	<input type="button" value="Set Static DHCP"/>
Device Name:	<input type="text" value="Mini_3.5G_BR_c35e"/>
802.1d Spanning Tree:	<input type="text" value="Disabled"/>
Clone MAC Address:	<input type="text" value="000000000000"/>

Item	Description
IP Address	The default IP address is 192.168.1.1
Subnet Mask	Please enter the Subnet Mask address
Default Gateway	Please enter the Default Gateway address for LAN interface.
DHCP	Click to select "Disabled", "Client" or "Server" in different operation mode of LAN access point
DHCP Client Range	Fill in the start IP address and end IP address to allocate a range of IP addresses; client with DHCP function set will be assigned an IP address from the range
Static DHCP	Configures how static DHCP address are assigned to client (only available when DHCP server is enabled)
Device Name	Configures the device name of the router.
802.1d Spanning Tree	IEEE 802.1d Spanning Tree Protocol (STP) is a link layer network protocol that ensures a loop-free topology for any bridged LAN. Select enable or disable the IEEE 802.1d Spanning Tree function

	from drop-down list.
<b>Clone MAC Address</b>	If your ISP asks you to enter a specific MAC Address, please input the correct info at the column.
<b>Apply Change &amp; Reset</b>	Click on “Apply Changes” to save the setting data. Or you may click on “Reset” to clear all the input data.

## 17.1 Dynamic DNS Setting

You can assign a fixed host and domain name to a dynamic Internet IP address. Each time the router boots up, it will re-register its domain-name-to-IP-address mapping with the DDNS service provider. This is the way Internet users can access the router through a domain name instead of its IP address.

**Note:** make sure that you have registered with a DDNS service provider before enabling this feature.

### Dynamic DNS Setting

Dynamic DNS is a service, that provides you with a valid, unchanged, internet domain name (an URL) to go with that (possibly often changing) IP address.

---

☐ Enable DDNS

Service Provider :  << dyndns ▾

Domain Name :

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](#)

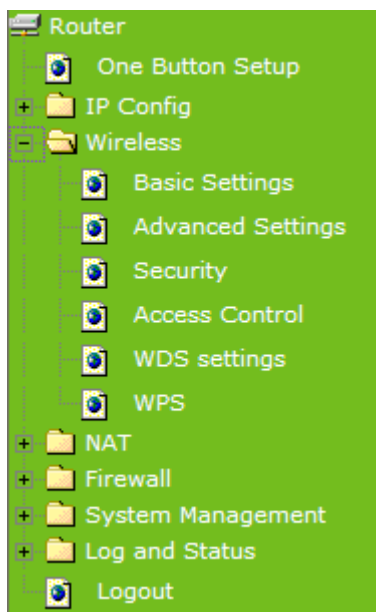
Please enter Domain Name, User Name/Email, and Password/Key. After entering, click on “Apply Changes” to save the setting, or you may click on Reset to clear all the input data.

Item	Description
<b>Enable/Disable DDNS</b>	Select enable to use DDNS function. Each time your IP address to WAN is changed, and the information will be updated to DDNS service provider automatically.
<b>Service Provider</b>	Choose correct Service Provider from drop-down list, here including DynDNS, TZO, ChangeIP, Eurodns, OVH, NO-IP, ODS, Regfish embedded in 802.11n HSPA Mobile Router.
<b>User Name/Email</b>	User name is used as an identity to login Dynamic-DNS service.
<b>Password/Key</b>	Password is applied to login Dynamic-DNS service.

**Apply & Cancel**

Click on Apply button to continue. Click on Cancel button to clear the setting on this page.

## 18.1 Wireless Advanced Setup



In Advanced Settings page, more 802.11 related parameters are tunable

### 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:**  (256-2346)  
**RTS Threshold:**  (0-2347)  
**Beacon Interval:**  (20-1024 ms)  
**Preamble Type:** ☒ Long Preamble ☐ Short Preamble  
**IAPP:** ☒ Enabled ☐ Disabled  
**Protection:** ☐ Enabled ☒ Disabled  
**Aggregation:** ☒ Enabled ☐ Disabled  
**Short GI:** ☒ Enabled ☐ Disabled  
**RF Output Power:** ☒ 100% ☐ 70% ☐ 50% ☐ 35% ☐ 15%

Apply Changes

Reset

Item	Description
Fragment Threshold	To identify the maxima length of packet, the over length packet will be fragmentized. The allowed range is 256-2346, and default length

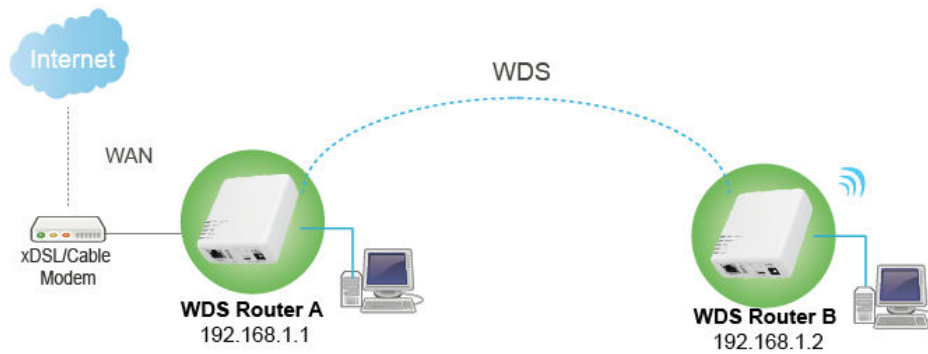
	is 2346.
<b>RTS Threshold</b>	This value should remain at its default setting of 2347. The range is 0~2347. Should you encounter inconsistent data flow, only minor modifications are recommended. If a network packet is smaller than the present RTS threshold size, the RTS/CTS mechanism will not be enabled. The router sends Request to Send (RTS) frames to a particular receiving station and negotiates the sending of a data frame. After receiving an RTS, the wireless station responds with a Clear to Send (CTS) frame to acknowledge the right to begin transmission. Fill the range from 0 to 2347 into this blank.
<b>Beacon Interval</b>	Beacons are packets sent by an access point to synchronize a wireless network. Specify a beacon interval value. The allowed setting range is 20-1024 ms..
<b>Preamble Type</b>	PLCP is Physical layer convergence protocol and PPDU is PLCP protocol data unit during transmission, the PSDU shall be appended to a PLCP preamble and header to create the PPDU. It has 2 options: Long Preamble and Short Preamble.
<b>IAPP</b>	Inter-Access Point Protocol is a recommendation that describes an optional extension to IEEE 802.11 that provides wireless access-point communications among multivendor systems.
<b>Protection</b>	Please select to enable wireless protection or not.
<b>Aggregation</b>	Enable this function will combine several packets to one and transmit it. It can reduce the problem when mass packets are transmitting.
<b>Short GI</b>	Users can get better wireless transmission efficiency when they enable this function.
<b>RF Output Power</b>	Users can adjust RF output power to get the best wireless network environment. Users can choose from 100%, 70%, 50%, 35%, and 15%.
<b>Apply Changes &amp; Reset</b>	Click on Apply Changes to save the setting data. Or you may click on Reset to clear all the input data.

### 1.18.1 WDS Settings

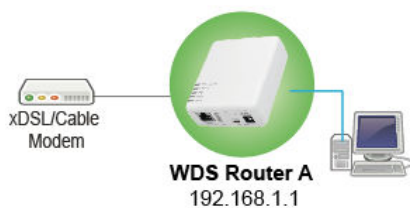
When selected in the Basic Settings page and enabled here, Wireless Distribution System (WDS) enables the router to be used as a wireless bridge. Two Wireless-N Routers in bridge mode can communicate with each other through their wireless interfaces. To accomplish this, all wireless routers should be set to the same channel and the MAC address of other AP / Routers should be entered in the table.

The WDS explanation is as the following picture.





## 1. Setup Router A



(1) Please check the MAC address and Channel number from WDS Router A.

WirelessConfiguration	
Mode	AP
Band	2.4 GHz (B+G+N)
SSID	Mini_3.5G_BR_c35e62
Channel Number	6
Encryption	Disabled
MAC Address	00:d0:41:c3:5e:61
Associated Clients	0
LAN Configuration	
Attain IP Protocol	Fixed IP
IP Address	192.168.1.1
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
DHCP Server	Enabled
MAC Address	00:d0:41:c3:5e:61

(2) Set the connection mode to “AP+WDS” from “Wireless Basic Setting”, and then select the channel number (in this example is “6”). Click Apply Changes to save the setting.

**Menu**

- Router
- One Button Setup
- IP Config
- Wireless
  - Basic Settings**
  - Advanced Settings
  - Security
  - Access Control
  - WDS settings
  - WPS
- NAT
- Firewall
- System Management
- Log and Status
- Logout

## 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)

Mode: AP+WDS Multiple AP

Network Type: Infrastructure

SSID: Mini\_3.5G\_BR\_c35e62

Channel Width: 40MHz

Control Sideband: Upper

Channel Number: 6

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 simultaneously)

SSID of Extended Interface: E\_Mini\_3.5G\_BR\_c35e62

Apply Change Reset

- (3) Enable WDS function from the page – “WDS Setting”, and then fill in the MAC address of Router B. Click Apply Changes to save the setting data.

## WDS Settings

Wireless Distribution System 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.

☒ Enable WDS

MAC Address: 000e68ff05c8

Data Rate: Auto

Comment:

Apply Change Reset Set Security Show Statistics

**WDS Security Setup:**

MAC Address	Tx Rate (Mbps)	Comment	Select
Delete Selected Delete All Reset			

- (4) The WDS AP List will show the WDS device MAC address after reboot.

## WDS Settings

Wireless Distribution System 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.

☒ Enable WDS

MAC Address:

Data Rate:

Comment:

Apply Change

Reset

Set Security

Show Statistics

WDS Security Setup:

MAC Address	Tx Rate (Mbps)	Comment	Select
00:0e:68:ff:05:c8	Auto		<input type="checkbox"/>

Delete Selected

Delete All

Reset

## 2. Move on the setup to WDS Router B

(1) Input Router A's MAC address.

## WDS Settings

Wireless Distribution System 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.

☒ Enable WDS

MAC Address:

00d041c35e61

Data Rate:

Auto

Comment:

Apply Change

Reset

Set Security

Show Statistics

WDS Security Setup:

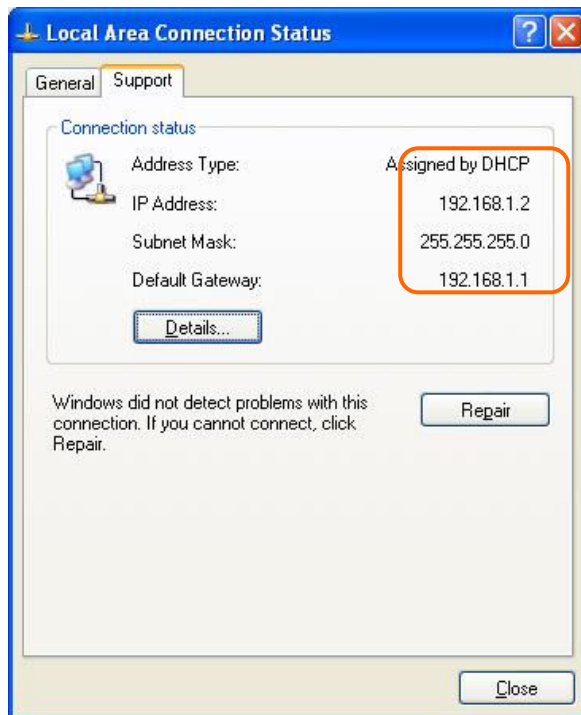
MAC Address	Tx Rate (Mbps)	Comment	Select
-------------	----------------	---------	--------

Delete Selected

Delete All

Reset

(2) You will receive an IP address from Router A.



If you failed the WDS setting, please check you setting with refer to the list below.

	Router A	Router B
Mode	Router	AP
LAN IP Address	Set the same segment as the router B(Note) Example :192.168.1.1	Set the same segment as the router A(Note) Example :192.168.1.2
Security	Set the same security as Router B	Set the same security as Router A
DHCP	Enable	Disable
MAC Address	Same as Router B	Same as Router A

**Note:** LAN IP address should be under the same segment but cannot be the same number.

### 1.18.2 WPS

This page allows user to change the setting for WPS (Wi-Fi Protected Setup). Using this feature could let your wireless client atomically synchronize it's setting and connect to the Access Point in a minute without any hassle. 3.5G Mimi Router could support both Self-PIN or PBC modes, or use the WPS button (at real panel) to easy enable the WPS function.

**PIN model**, in which a PIN has to be taken either from a sticker label or from the web interface of the WPS device. This PIN will then be entered in the AP or client WPS device to

connect.

**PBC model**, in which the user simply has to push a button, either an actual or a virtual one, on both WPS devices to connect.

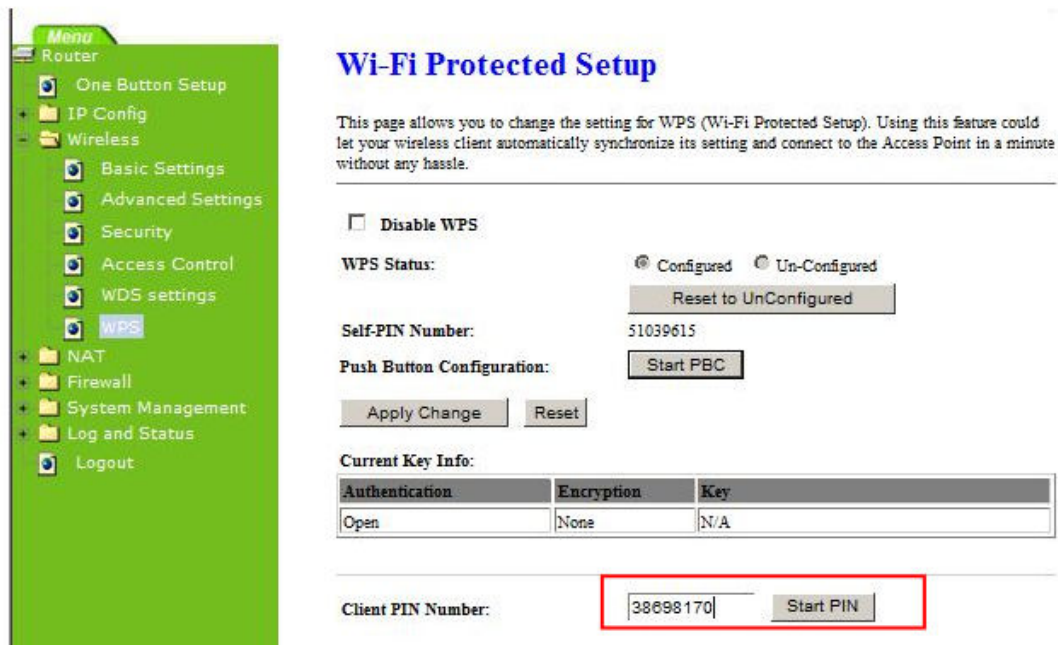
Please follow instructions below to enable the WPS function.

1. Setup Wireless LAN with WPS PIN:

- (1) Get the WPS PIN number from wireless card and write it down.



- (2) Fill in the PIN number from the wireless card in Client PIN Number field, and then click "Start PIN".



- (3) Click PIN from Adapter Utility to complete the WPS process with the wireless router.

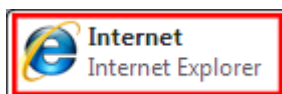


## 2. Start PBC:

- (1) Press the WPS button from 802.11n HSPA Mobile Router and wait for Wireless/WPS LED light changed into red.
- (2) Press the WPS button from the adapter until the setup window shows up.



- (3) Open a web browser to check the internet connection.

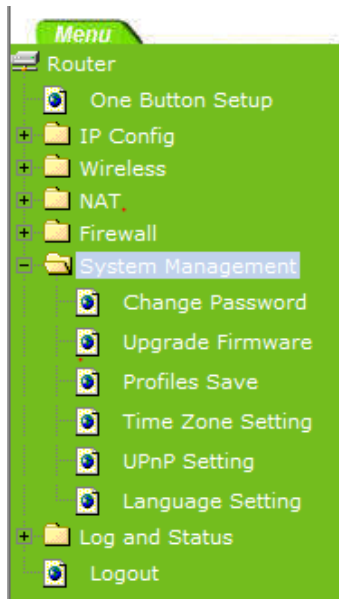


Please also refer to section 4.1.1 WPS setup for more details.

## 19.1 System Management

This section including **Change Password, Upgrade Firmware, Profiles Save, Time Zone Setting, UPnP Setting, and Language Setting**. It is easy and helpful for users making more detailed settings.





### 1.19.1 Change Password

Users can set or change user name and password used for accessing the web management interface in this section.

## Change Password

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:

Click on Apply Changes to save the setting data. Or you may click on Reset to clear all the input data.

### 1.19.2 Upgrade Firmware

This function can upgrade the firmware of the router. There is certain risk while doing firmware upgrading. Firmware upgrade is not recommended unless the significant faulty is found and published on official website. If you feel the router has unusual behaviors and is

not caused by the ISP and environment. You can check the website <http://www.amigo.com.tw> to see if there is any later version of firmware. Download the firmware to your computer, click Browser and point to the new firmware file. Click Upload to upgrade the firmware. You can't make any move unless the machine reboot completely.

### Firmware Upgrade

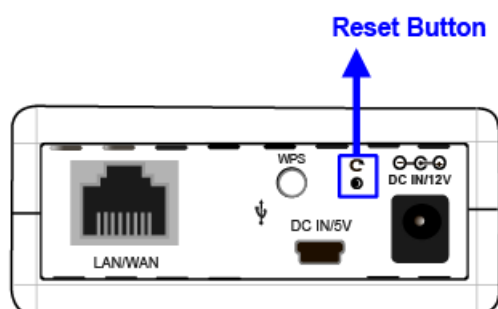
This page allows you upgrade the Access Point firmware to new version. Please note,do not power off the device during the upload because it may crash the system.

Select File:

Note: 1. To prevent that firmware upgrading is interrupted by other wireless signals and causes failure. We recommend users to use wired connection during upgrading.  
2. The firmware upgrade will not remove your previous settings.

#### ■ Reset button:

On the front of this router, there is a reset button. If you cannot login the administrator page by forgetting your password; or the router has problem you can't solve. You can push the reset button for 5 seconds with a stick. The router will reboot and all settings will be restored to factory default settings. If the problem still exists, you can visit our web site to see if there is any firmware for download to solve the problem.



### 1.19.3 Profile Save

Users can create a backup file that contains current router settings. This backup file can be used to restore router settings. This is especially useful in the event you need to reset the router to its default settings.



## 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:

Save...

Load Settings from File:

Browse...

Upload

Reset Settings to Default:

Reset

Item	Description
Save	Save to computer
Upload	Upload the file from PC to router
Reset	Reset to default

### 1. Save Configuration

#### (1) Click Save

## 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:

Save...

Load Settings from File:

Browse...

Upload

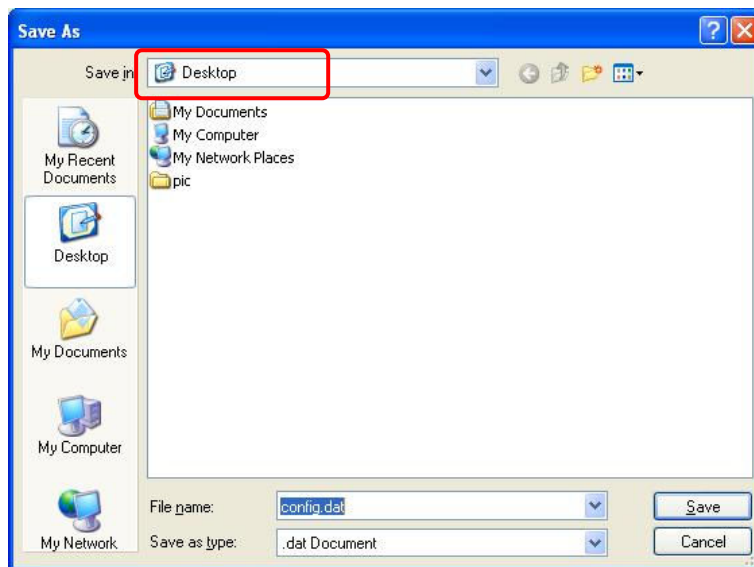
Reset Settings to Default:

Reset

#### (2) Please click "Save" to save the configuration to your computer.

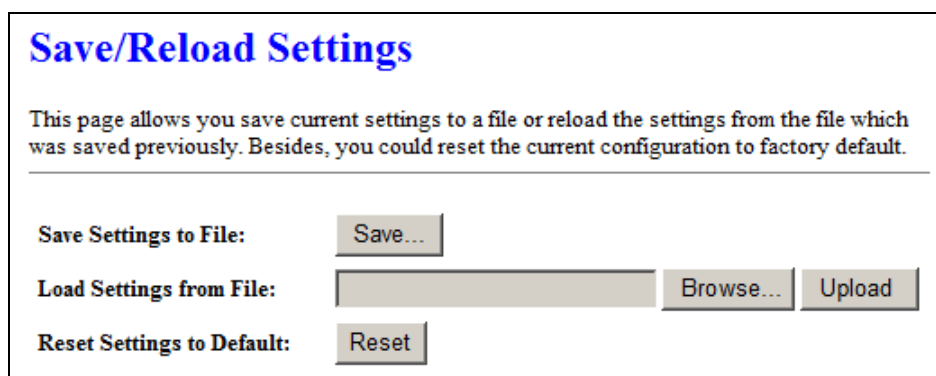


#### (3) Select the location which you want to save file, then click Save.

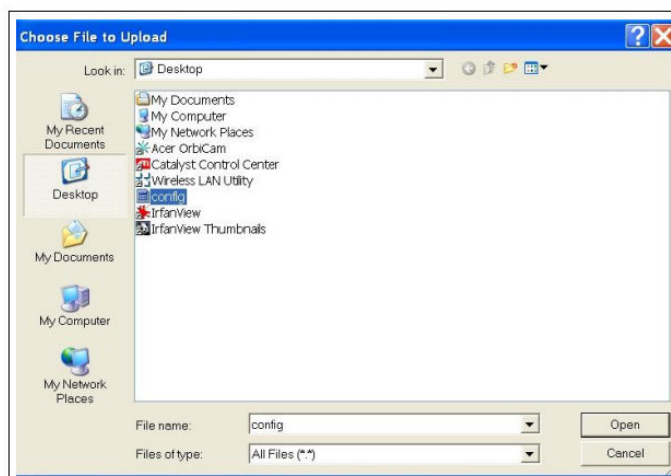


b. Load configuration file

(1) Click Browser



(2) Select configuration file then click Open



(3) Click Upload to upload configuration file to 802.11n HSPA Mobile Router.

### 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:

(4) After 90 seconds, 802.11n HSPA Mobile Router will reboot automatically.

(C) Reload factory default setting

1. Please click Reset

### 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.

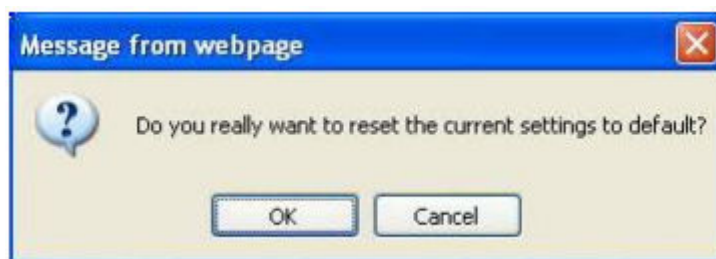
---

Save Settings to File:

Load Settings from File:

Reset Settings to Default:

(2) Please click OK to start reload factory default setting to 802.11n HSPA Mobile Router.



(3) After 90 seconds, 802.11n HSPA Mobile Router will reboot automatically.

#### 1.19.4 Time Zone Setting

Users can synchronize the local clock on the router to an available NTP server (optional). To complete this setting, enable NTP client update and select the correct Time Zone.

## Time Zone Setting

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

Current Time : Yr  Mon  Day  Hr  Mn  Sec

Time Zone Select :

☒ Enable NTP client update

☐ Automatically Adjust Daylight Saving

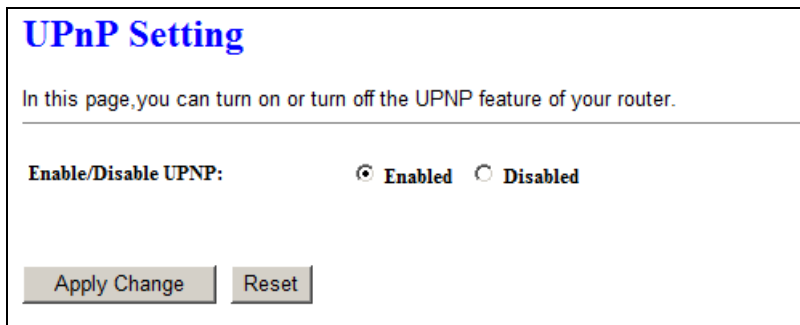
NTP server : ☒

☐  (Manual IP Setting)

Item	Description
<b>Current Time</b>	Users can input the time manually.
<b>Time Zone Select</b>	Please select the time zone.
<b>Enable NTP client update</b>	Please select to enable NTP client update or not.
<b>Automatically Adjust Daylight Saving</b>	Please select to enable Automatically Adjust Daylight Saving or not.
<b>NTP Server</b>	Please select the NTP server from the pull-down list, or you can enter the NTP server IP address manually.
<b>Apply Changes &amp; Reset &amp; Refresh</b>	Please click on Apply Changes to save the setting data. Or you may click on Reset to clear all the input data. Or you may click on Refresh to update the system time on the screen.

### 1.19.5 UPnP Setting

Universal Plug and Play (UPnP) is a standard of networking protocols promulgated by the UPnP Forum. The goals of UPnP are to allow devices to connect seamlessly and to simplify the implementation of networks in the home (data sharing, communications, and entertainment) and in corporate environments for simplified installation of computer components. 802.11n HSPA Mobile Router supports UPnP function, and can cooperate with other UPnP devices. When you activate UPnP, please click My Network Places. Users will see an Internet Gateway Device icon. By click the icon, users can enter the GUI of the router. If you do not wish to use UPnP, you can disable it.



**UPnP Setting**

In this page, you can turn on or turn off the UPNP feature of your router.

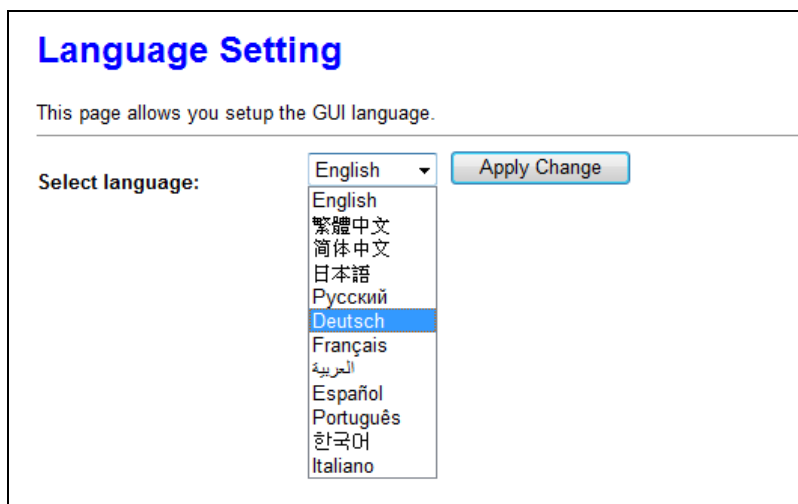
Enable/Disable UPnP: ☒ Enabled ☐ Disabled

Apply Change Reset

**Enable/Disable UPnP:** Select to enable or disable this function.

### 1.19.6 Language Setting

The 802.11n HSPA Mobile Router provide 12 language for Web GUI. You can select the language interface from the dropdown list and by following steps.



**Language Setting**

This page allows you setup the GUI language.

Select language: English ▼ Apply Change

- English
- 繁體中文
- 简体中文
- 日本語
- Русский
- Deutsch
- Français
- العربية
- Español
- Português
- 한국어
- Italiano

When you see the screen message change to the selected language, the setup is completed.



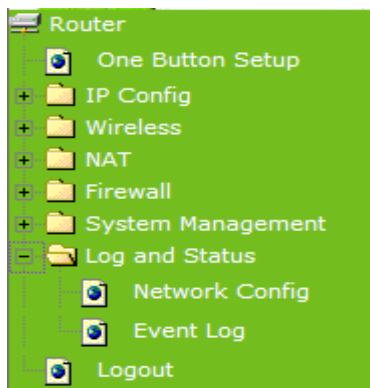
**Sprache einstellen**

Auf dieser Seite können Sie die GUI-Setup-Sprache.

Wählen Sie die Sprache: Deutsch ▼ Bewerben ändern

## 20.1 Log & Status

The category provides Network Config and Event Log status for users to know the operation status.



### 1.20.1 Network Config

Users can check the Internet status under this category, including Firmware version, Wireless setting, Connecting Time, WAN, TCP/IP ...information.

#### Network Config

This page shows the current status and some basic settings of the device.

System	
Uptime	0day:2h:39m:19s
Firmware Version	Ver0.0.2
WirelessConfiguration	
Mode	AP
Band	2.4 GHz (B+G+N)
SSID	11N_Broadband_Router
Channel Number	11
Encryption	Disabled
MAC Address	00:ab:ab:c4:56:78
Associated Clients	1
WirelessRepeater Interface Configuration	
Mode	Infrastructure Client
ESSID	ESSID_11N_Broadband_Router
Encryption	Disabled
MAC Address	00:00:00:00:00:00
State	Scanning
LAN Configuration	
Attain IP Protocol	Fixed IP
IP Address	192.168.1.1
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
DHCP Server	Enabled
MAC Address	00:ab:ab:c4:56:78

### 1.20.2 Event Log

You may enable the event log feature here.

## System Log

This page can be used to set remote log server and show the system log.

☐ **Enable Log**  
☐ system all      ☐ wireless      ☐ DoS  
☐ **Enable Remote Log**      Log Server IP Address:

Item	Description
<b>Enable Log</b>	You may choose to enable Event Log or not.
<b>System all, Wireless, &amp; DoS</b>	Please select the event you want to record.
<b>Enable Remote Log</b>	You may choose to enable the remote event log or not.
<b>Log Server IP Address</b>	Please input the log server IP Address.
<b>Apply Changes &amp; Refresh &amp; Clear</b>	Click on Apply Changes to save the setting data. Click on Refresh to renew the system time, or on Clear to clear all the record.

\* The following figure is an example when users click Apply Changes to record the event log.

☒ **Enable Log**  
☒ system all      ☐ wireless      ☐ DoS  
☐ **Enable Remote Log**      Log Server IP Address:

```

Conntrack
Oday 00:00:17 PPTP netfilter connection tracking: registered
Oday 00:00:17 PPTP netfilter NAT helper: registered
Oday 00:00:17 ip_tables: (C) 2000-2002 Netfilter core team
Oday 00:00:17 NET4: Unix domain sockets 1.0/SMP for Linux NET4.0.
Oday 00:00:17 NET4: Ethernet Bridge 008 for NET4.0
Oday 00:00:17 VFS: Mounted root (squashfs filesystem) readonly.
Oday 00:00:17 Freeing unused kernel memory: 64k freed
Oday 00:00:17 mount /proc file system ok!
Oday 00:00:17 mount /var file system ok!
Oday 00:00:17 device eth0 entered promiscuous mode
Oday 00:00:17 device wlan0 entered promiscuous mode
Oday 00:00:17 TPT: unreasonable target TSSI 0
Oday 00:00:17 br0: port 2(wlan0) entering listening state

```

## 21.1 Logout

This function logs out the user. Click on Apply Change to logout.

**Logout**

This page is used to logout.

**Do you want to logout ?**



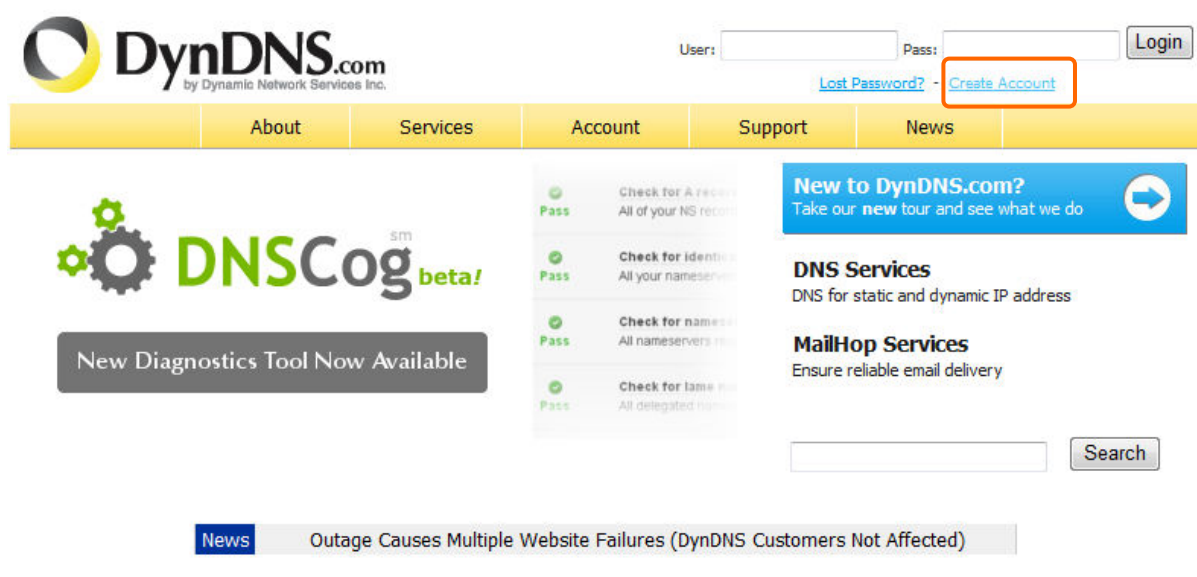
## DDNS Service Application

DDNS is a service changes the dynamic IP to the static IP. The settings of DDNS can solve the problem of being given the different IP by router every time. After setting the Router, your host name would correspond to your dynamic IP. Moreover, via the host name application, it could be easier for you to use FTP, Webcam and Printer remotely.

Dynamic DNS allows you to make an assumed name as a dynamic IP address to a static host name. Please configure the dynamic DNS below. Please select **Dynamic DNS** under the **IP Config** folder, and follow the instructions below to enter the **Dynamic DNS** page to configure the settings you want.

If you don't have a DDNS account, please follow the steps to complete your DDNS with Dynamic IP settings.

**Step 1.** First access the Internet and fill <http://www.dyndns.com/> into the address field of your web browser, then click **Create Account**.



The screenshot shows the DynDNS.com website. At the top, there is a navigation bar with links for 'About', 'Services', 'Account', 'Support', and 'News'. To the right of the navigation bar is a 'Login' button. Below the navigation bar, there is a 'Create Account' link highlighted with a red box. The main content area features several promotional banners, including one for 'DNSCog beta!' and another for 'New Diagnostics Tool Now Available'. A sidebar on the right contains a 'New to DynDNS.com?' section with a 'Take our new tour and see what we do' button, and a 'DNS Services' section. At the bottom, there is a 'News' section with a headline about a website outage.

**Step 2.** Fill in the form as required, and then click on **Create Account** button.

## Create Your DynDNS Account

Please complete the form to create your free DynDNS Account.

### User Information

Username:	<input type="text"/>	
E-mail Address:	<input type="text"/>	Instructions to activate your account will be sent to the e-mail address provided.
Confirm E-mail Address:	<input type="text"/>	
Password:	<input type="text"/>	Your password needs to be more than 5 characters and cannot be the same as your username. Do not choose a password that is a common word, or can otherwise be easily guessed.
Confirm Password:	<input type="text"/>	

### About You (optional)

Providing this information will help us to better understand our customers, and tailor future offerings more accurately to your needs. Thanks for your help!

How did you hear about us:	<input type="text" value="---"/>	We <u>do not sell</u> your account information to anyone, including your e-mail address.
Details:	<input type="text"/>	

### Terms of Service

Please read the acceptable use policy (AUP) and accept it prior to creating your account. Also acknowledge that you may only have one (1) free account, and that creation of multiple free accounts will result in the deletion of all of your accounts.

Policy Last Modified: February 6, 2006

#### 1. ACKNOWLEDGMENT AND ACCEPTANCE OF TERMS OF SERVICE

All services provided by Dynamic Network Services, Inc. ("DynDNS") are provided to you (the "Member") under the Terms and Conditions set forth in this Acceptable Use Policy ("AUP") and any other operating rules and policies set forth by DynDNS. The AUP comprises the entire agreement between the Member and DynDNS and supersedes all prior agreements between the parties regarding the subject matter contained herein. BY COMPLETING THE REGISTRATION PROCESS AND CLICKING THE "Accept" BUTTON, YOU ARE INDICATING YOUR AGREEMENT TO BE BOUND BY ALL OF THE TERMS AND CONDITIONS OF THE AUP.

#### 2. DESCRIPTION OF SERVICE

I agree to the AUP:	<input checked="" type="checkbox"/>
I will only create one (1) free account:	<input checked="" type="checkbox"/>

#### Mailing Lists (optional)

DynDNS maintains a number of mailing lists designed to keep our users informed about product announcements, client development, our company newsletter, and our system status. Please use the checkboxes below to alter your subscription preference. Your subscription preference may be changed at any time through the [account settings](#) page.

newsletters:	<input type="checkbox"/>
press-releases:	<input type="checkbox"/>
system-status:	<input type="checkbox"/>

#### Next Step

After you click "Create Account", we will create your account and send you an e-mail to the address you provided. Please follow the instructions in that e-mail to confirm your account. You will need to confirm your account within 48 hours or we will automatically delete your account. (This helps prevent unwanted robots on our systems)

Create Account

**Step 3.** When you got this account created message, close it, and check your mailbox. You would get a mail from DynDNS website.

The screenshot shows the DynDNS website interface. At the top, there's a navigation bar with links: About, Services, Account, Support, News. Below this, on the left, is a sidebar with 'My Account' section containing 'Create Account', 'Login', and 'Lost Password?'. The main content area has a heading 'Account Created' and a message: 'Your account, TYatLab, has been created. Directions for activating your account have been sent to your e-mail address: clairbleu\_ty@hotmail.com. To complete registration, please follow the directions you receive within 48 hours.' It also mentions that a confirmation e-mail will be sent within a few minutes and provides a link for 'password reset'. A search bar is visible on the left sidebar. The footer says 'Thanks for using DynDNS!'.

**Step 4.** Click on the indicated address within your mail to confirm.

Your DynDNS Account 'TYatLab' has been created. You need to visit the confirmation address below within 48 hours to complete the account creation process:

[https://www.dyndns.com/account/confirm/Z3OpStScjR\\_Ypn82CNMyZQ](https://www.dyndns.com/account/confirm/Z3OpStScjR_Ypn82CNMyZQ)

Our basic service offerings are free, but they are supported by our paid services. See <http://www.dyndns.com/services/> for a full listing of all of our available services.

If you did not sign up for this account, this will be the only communication you will receive. All non-confirmed accounts are automatically deleted after 48 hours, and no addresses are kept on file. We apologize for any inconvenience this correspondence may have caused, and we assure you that it was only sent at the request of someone visiting our site requesting an account.

Sincerely,  
The DynDNS Team

**Step 5.** Click on **login**.




## Account Confirmed

The account TYatLab has been confirmed. You can now [login](#) and start using your account.

Be informed of new services, changes to services, and important system maintenance/status notifications by subscribing to our [mailing lists](#). Once there, you may subscribe to the Announce list by checking the appropriate box and clicking the "Save Settings" button.

**Step 6.** Click **My Services** after logging in.

Account Summary for TYatLab

My Services	Billing	Account Settings
 View, modify, purchase, and delete your services.	 Update your billing information, complete a purchase, and view invoices.	 Update your e-mail address, set preferences, and delete your account.
<a href="#">My Zones</a>	<a href="#">View Shopping Cart</a>	<a href="#">Change E-mail Address</a>
<a href="#">Add Zone Services</a>	<a href="#">Active Services</a>	<a href="#">Change Password</a>
<a href="#">My Hosts</a>	<a href="#">Order History</a>	<a href="#">Change Username</a>
<a href="#">Add Host Services</a>	<a href="#">Billing Profile and Vouchers</a>	<a href="#">Contact Manager</a>
<a href="#">Account Upgrades</a>	<a href="#">Renew Services</a>	<a href="#">Mailing Lists</a>

**Step 7.** Click **Add New Hostname**.

## Account Level Services

Paid Account (?)	No	<a href="#">Technical Support</a>
Account Upgrades (?)	No	<a href="#">View</a> - <a href="#">Add</a>
DNS Service Level Agreement (?)	None	<a href="#">Add DNS Service Level Agreement</a>
Premier Support Option (?)	None Available	<a href="#">Add Premier Support Cases</a>

## Zone Level Services

[Add Zone Services](#)

No zone level service items registered: [Add Zone Services](#).

## Hostnames

[Add New Hostname](#)

No Hostname services registered.

**Step 8.** Put in your favorite hostname and service type, and then click **Create Host** after finished.

**Hostname:**  . webhop.net ▼

**Wildcard:** ☐ Yes, alias "\*.hostname.domain" to same settings.


**Service Type:**
☒ Host with IP address  
☐ WebHop Redirect  
☐ Offline Hostname

**IP Address:**   
[Use auto detected IP address](#)  
 TTL value is 60 seconds. [Edit TTL](#).

**Mail Routing:** ☐ Yes, let me configure Email routing.

[Create Host](#)

**Step 9.** Your hostname has been created when you see the following page.

Host Services <span style="float: right;"><a href="#">Add New Hostname</a> - <a href="#">Host Update Logs</a></span>			
Hostname <a href="#">amigo.webhop.net</a> created.			
Hostname	Service	Details	Last Updated
<a href="#">amigo.webhop.net</a>	Host		Nov. 19, 2007 4:08 AM

# Troubleshooting

## 22.1 Common Problems and Solutions

### 1. No service is available or get a “Limited or No Connectivity” message.

- You are outside of the coverage area of your network provider
- Check with your network provider- there may be a problem with your account
- Reorient 802.11n HSPA Mobile Router
- If you are inside a building or near a structure that may be blocking the signal, change position or location of the device. For example, try moving 802.11n HSPA Mobile Router close to a window

### 2. When switching to “Power on”, the LED is not lighting.

- Check the battery is properly seated in the device
- Ensure the battery is fully charged. Plug in the DC mains charger for at least 4 hours.

### 3. I forgot my password.

- Reset the device to factory defaults using the master reset button

### 4. Cannot connect to 802.11n HSPA Mobile Router

- Make sure the WiFi LED is on (it will be solid green). If the LEDs are not on, check the battery.
- Open your wireless network connection list:  
Windows: Right-click icon and select View Available Networks  
Mac: Pull down list from AirPort icon
- Select the HSPA\_MR network name (in Windows, click Connect). When the 802.11n HSPA Mobile Router is connected to the network, the Wireless LED begins to blink

### 5. My network does not appear in the wireless network list.

- Verify that the LEDs are on and are not showing an error condition
- Refresh your network list  
Windows: Click Refresh Network List on the left side of the Wireless Network Connection screen.

Mac: Try rebooting your computer

**6. What is the default administrative/login password?**

- “admin”

## **Appendices**

### **23.1 Operating Systems**

1. Microsoft : Windows XP, Vista, Win 7 and the following related versions.
2. Apple : Mac OS X 10.4.7, Leopard and the following related versions.
3. Linux : Redhat 9, Fedora 6 & 7, Ubuntu 7.04 and the following related versions.

### **24.1 Browsers**

1. Internet Explorer ver. 6 and 7 and the following related versions.
2. FireFox ver. 2.0.0.11 and the following related versions.3.
3. Safari ver. 3.04 and the following related versions.

### **25.1 Communications Regulation Information**

Should any consumers need to learn more information, services and supports, please contact the supplier of your product directly.