

**Super 3G Router
434T**

Quick Start Guide

----- Version: 1.0 -----

Contents

1 CHECK PACKAGE CONTENTS	3
2 SYSTEM REQUIREMENTS	3
3 APPEARANCE	4
4 QUICK ROUTER SET-UP.....	5
STEP 1: INSERT THE SIM CARD	5
STEP 2: CONNECT TO A PC.....	5
STEP 3: CONNECT TO A TELEPHONE SET	6
STEP 4: CONNECT THE EXTERNAL ANTENNA (OPTIONAL).....	6
STEP 5: CONNECT TO THE POWER ADAPTER	6
5 CONFIGURE THE NETWORK SETTINGS.....	7
6 CONFIGURE 3G ROUTER	10
STEP 1: OPEN WEB MANAGEMENT	10
STEP 2: INPUT USER AND PASSWORD	10
STEP 3: INTELLIGENT GUIDE	11
STEP 4: ADMINISTRATOR INFORMATION CONFIGURATION.....	11
STEP 5: CONFIGURE THE SYSTEM TIME	12
STEP 6: CONFIGURE WAN INFORMATION	12
<i>STATIC Mode</i>	13
<i>DHCP Mode</i>	13
PPPOE (ADSL) MODE.....	14
<i>PPTP and L2TP (Establish a tunnel via PPTP or L2TP and get connected to a VPN)</i>	14
<i>3G Mode</i>	15
STEP 7: CONFIGURE LAN INFORMATION.....	17
STEP 8: CONFIGURE WLAN INFORMATION	18
7 RESTORING THE FACTORY DEFAULTS	19

1 Check Package Contents

3G Router x1

DC9V 1.5A Power Adapter x1

Quick Start Guide x1

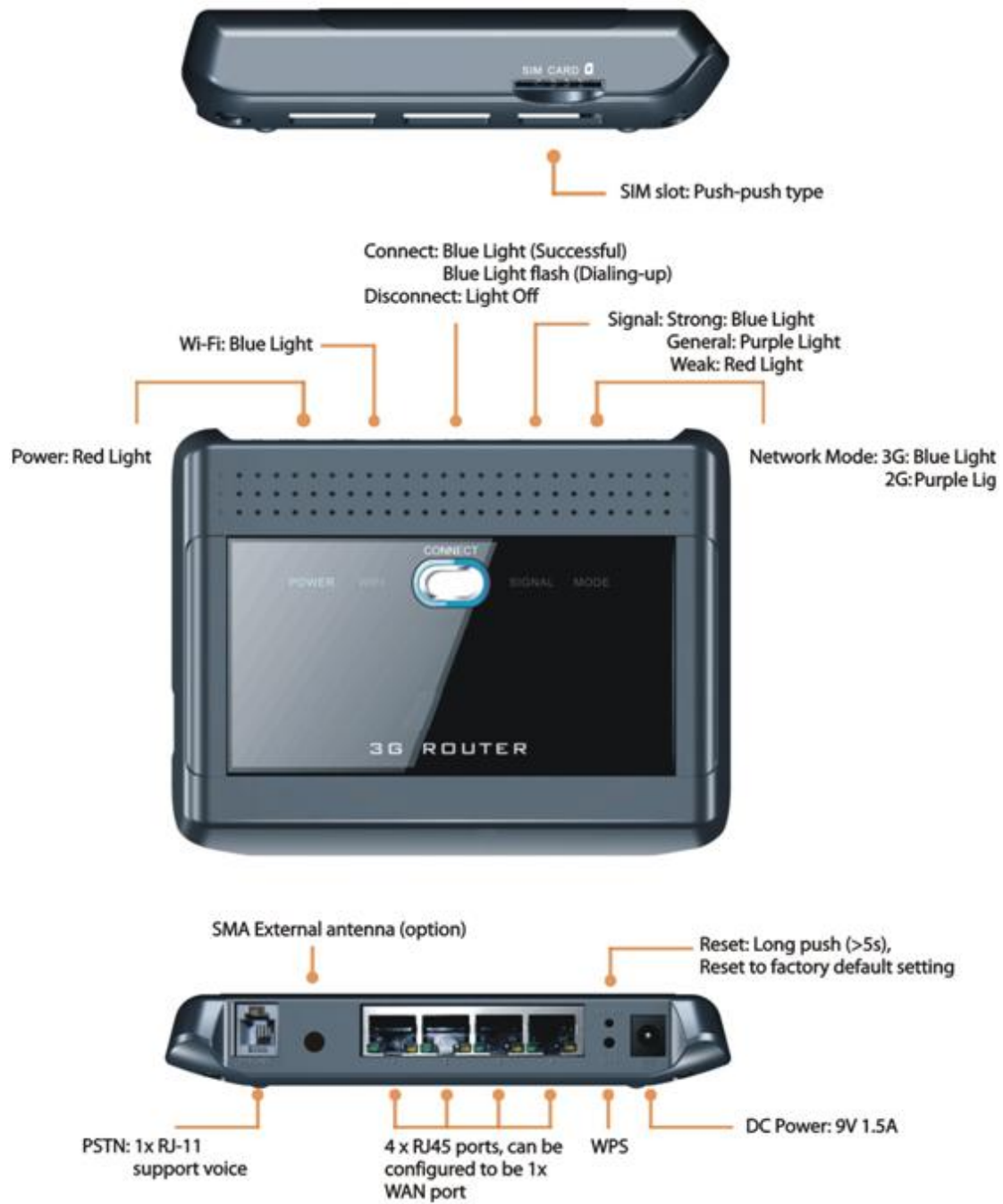
3G External Antenna (option)

2 System Requirements

The recommended PC configuration for using the Router is as follows:

- ✧ CPU: Pentium 500 MHz or above
- ✧ Memory: 128 MB RAM or above
- ✧ Hard disk: 100 MB or above of available space
- ✧ Operating System: Windows®2000, XP, Vista, Linux 2.4/2.6
- ✧ Internet Browser: Internet Explorer 6.0 or Internet Explorer 7.0, Firefox 1.5 or Firefox 2.0, Safari 3.0

3 Appearance



(Figure 1)

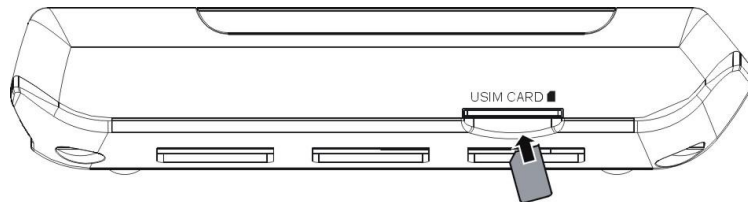
4 Quick Router Set-up

Step 1: Insert the SIM card

Warning Before inserting or removing the SIM card, you must disconnect the device from the power adapter.

If you are required to enter the PIN code, enter the correct one. If you fail to enter the correct PIN or PUK code, the network-related functions are unavailable. The SIM card is supplied by the service provider. For details, contact your service provider.

Insert the card into the slot completely, as shown in the following figure.

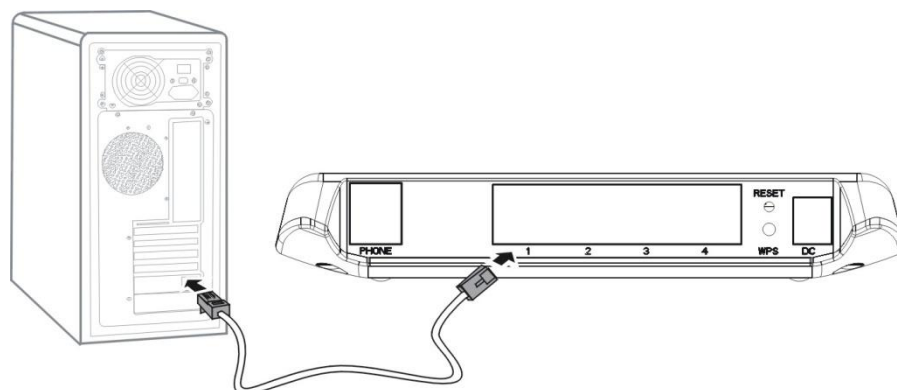


(Figure 2)

To remove the card, press the card gently. Now the card will pop up automatically.

Step 2: Connect to a PC

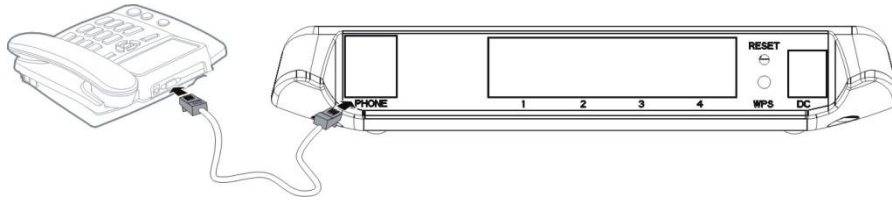
If the indicator of the Ethernet interface connecting with a network cable is on, the connection is successful. The Ethernet cable cannot be longer than 100 meters (328 feet). To achieve better effect, use the shielded cable.



(Figure 3)

Step 3: Connect to a telephone set

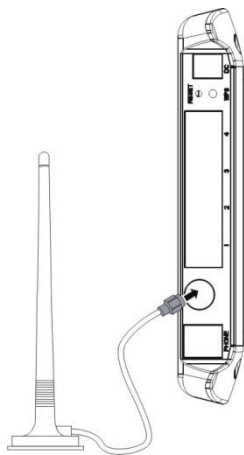
The communication quality of the telephone set can be interfered by the wireless signal. Place the telephone set one meter away from the device.



(Figure 4)

Step 4: Connect the external antenna (optional)

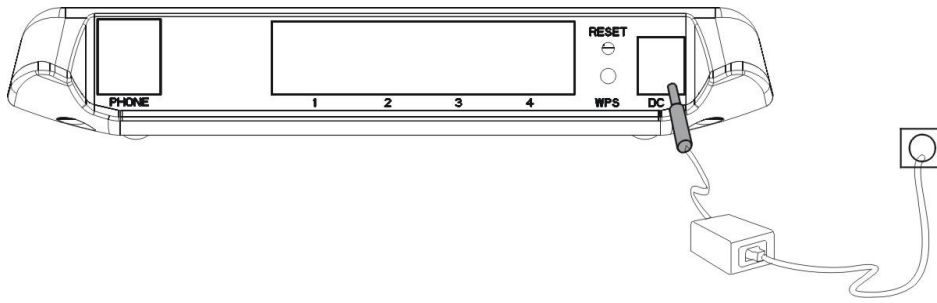
Connect the external antenna cable with the antenna jack on the main unit. Screw the cable to make sure that the antenna is tightly connected with the antenna jack.



(Figure 5)

Step 5: Connect to the power adapter

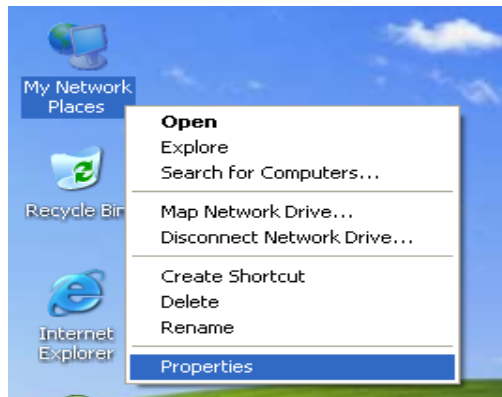
Use a power adapter that is compatible with the device; otherwise, the device may be damaged.



(Figure 6)

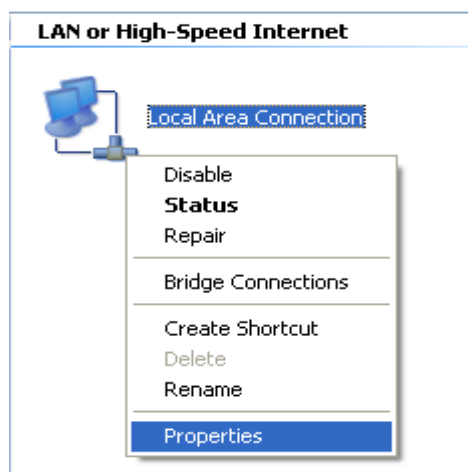
5 Configure the network settings

Step1: On the desktop, right-click on “My Network Places”, select “Properties”.



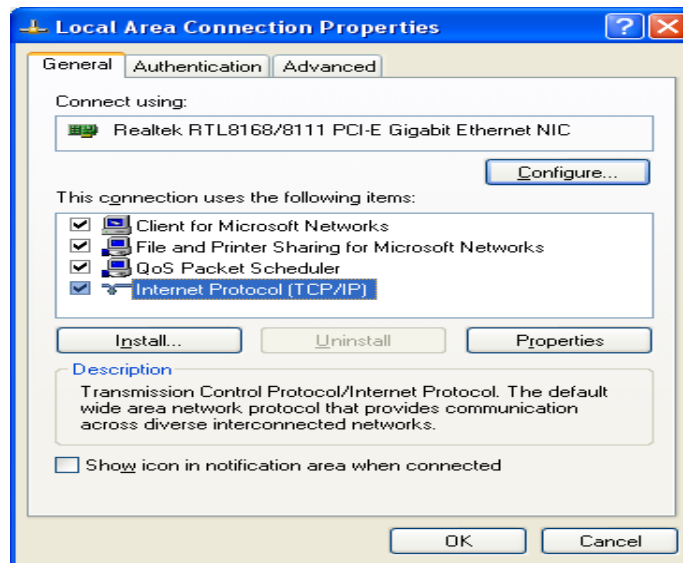
(Figure 7)

Step2: In the following pop-up window, right-click on “Local Area Connection” and select “Properties”.



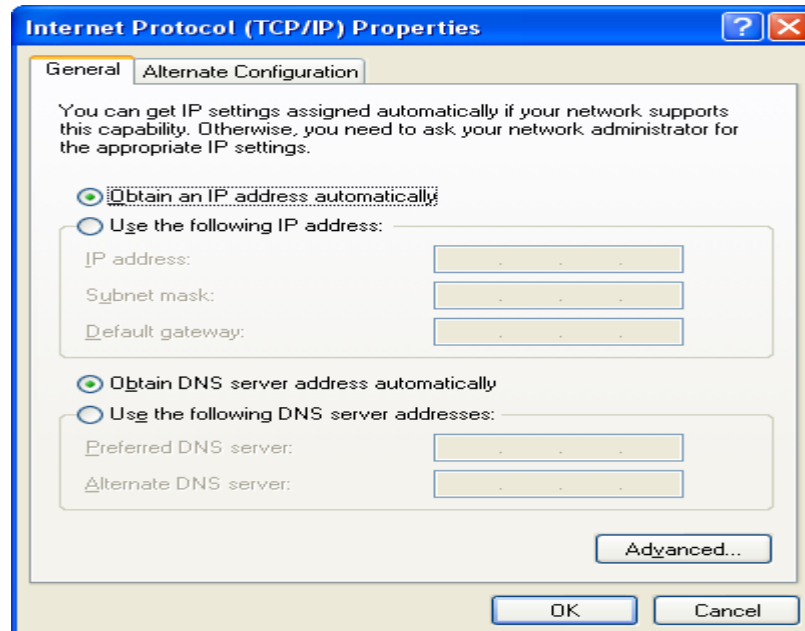
Quick Start Guide

Step3: In the following window, select “Internet Protocol (TCP/IP)” option, and then click “Properties”.



(Figure 9)

Step4: In the following pop-up window, select “Obtain an IP address automatically” and “Obtain DNS server address automatically”. Then click “OK”.



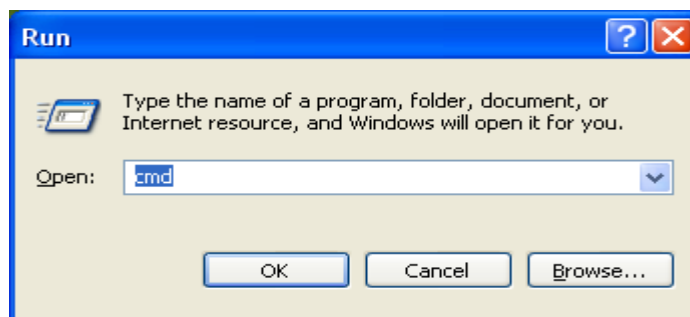
(Figure 10)

Step5: If you selected LAN connection. Please double check if the Gateway is really connected to your computer, when “Local Connection” is showing already connected. Then click “Start” menu and open “Run” program, input “CMD” as figure 10.

【If you selected WIFI connection, Before step3, please click on “Wireless Network

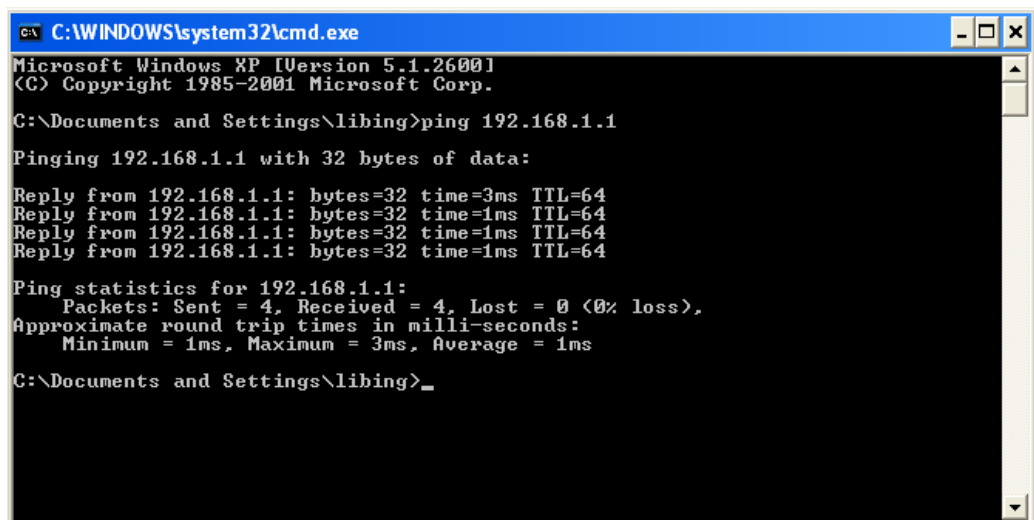
Quick Start Guide

Connection” icon in the lower right of desktop, check the wireless network status and select your wireless network. Then connect to it.】



(Figure 11)

Step6: Input order “ping 192.168.1.1” and click “Enter”, it will get the following result which is showing the above configuration is successful.

A screenshot of a Windows Command Prompt window. The title bar is blue and contains the text "C:\WINDOWS\system32\cmd.exe" and standard window control buttons. The main area is black with white text. The text shows the output of a ping command: "Microsoft Windows XP [Version 5.1.2600] (C) Copyright 1985-2001 Microsoft Corp. C:\Documents and Settings\libing>ping 192.168.1.1 Pinging 192.168.1.1 with 32 bytes of data: Reply from 192.168.1.1: bytes=32 time=3ms TTL=64 Reply from 192.168.1.1: bytes=32 time=1ms TTL=64 Reply from 192.168.1.1: bytes=32 time=1ms TTL=64 Reply from 192.168.1.1: bytes=32 time=1ms TTL=64 Ping statistics for 192.168.1.1: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 1ms, Maximum = 3ms, Average = 1ms C:\Documents and Settings\libing>_"

(Figure 12)

6 Configure 3G Router

Step 1: Open Web Management

Open Web browser, input 192.168.1.1 at Address bar, then press “Enter” .



(Figure 13)

Step 2: input USER and Password

the following pop-up window, both input “admin” at “User name” bar and “Password” bar, then press “OK”.



(Figure 14)

Step 3: Intelligent Guide

Click “Quick Setup Guide” as displayed on the major interface and make use of the intelligent guide functions of the router. It enables the first time configuration of the router’s time, administrator information, internal and external network ports.

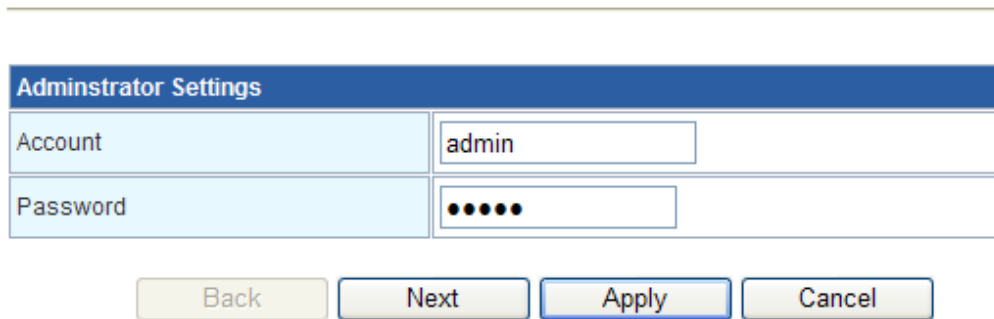


(Figure 15)

Step 4: Administrator Information Configuration

Account: an account (user name) to log into the management interface. The default system account is admin.

Password: a password to log on the management interface. The default system password is admin.



The image shows a web interface for 'Administrator Settings'. It has a blue header bar with the title. Below it are two rows of input fields: 'Account' with the text 'admin' and 'Password' with six dots. At the bottom are four buttons: 'Back', 'Next', 'Apply', and 'Cancel'.

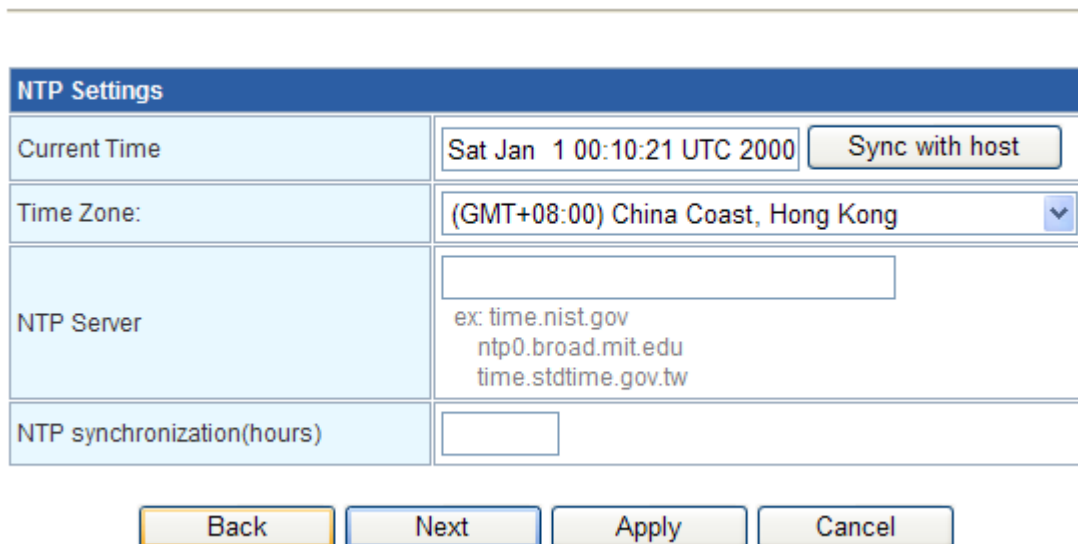
Administrator Settings	
Account	admin
Password	••••••

Back Next Apply Cancel

(Figure 16)

Click Next to Configure the System Time

Step 5: Configure the System Time



The image shows a web interface for 'NTP Settings'. It has a blue header bar with the title. Below it are four rows of input fields: 'Current Time' with 'Sat Jan 1 00:10:21 UTC 2000' and a 'Sync with host' button; 'Time Zone:' with a dropdown menu showing '(GMT+08:00) China Coast, Hong Kong'; 'NTP Server' with a text box and examples 'time.nist.gov', 'ntp0.broad.mit.edu', and 'time.stdtime.gov.tw'; and 'NTP synchronization(hours)' with an empty text box. At the bottom are four buttons: 'Back', 'Next', 'Apply', and 'Cancel'.

NTP Settings	
Current Time	Sat Jan 1 00:10:21 UTC 2000 Sync with host
Time Zone:	(GMT+08:00) China Coast, Hong Kong
NTP Server	ex: time.nist.gov ntp0.broad.mit.edu time.stdtime.gov.tw
NTP synchronization(hours)	

Back Next Apply Cancel

(Figure 17)

Click "Next" to Configure 3G Mode

Current time: display the system time of the router.

Sync with host: make sure that the router's time settings are consistent with those of the PC.

NTP Server: set up an Internet-based time server. Every once in a while, the router sets up its time and makes sure that its time is consistent with that of the server.

NTP synchronization (hours): intervals for the router to obtain data from the time server.

Step 6: Configure WAN Information

There are six online methods (STATIC, DHCP, PPPOE (ADSL), L2TP, PPTP and 3G) for the extranet.

STATIC Mode

IP address: Static IP address provided by the ISP.

Subnet mask: provided by ISP.

Default Gateway: Fill in the gateway address as provided by the ISP.

Primary DNS Server: Fill in the DNS server as provided by the ISP. Different areas have different DNS addresses.

Secondary DNS Server: Fill in the DNS server as provided by the ISP. Different areas have different DNS addresses.

WAN Connection Type: ▼

Static Mode	
IP Address	<input type="text" value="113.115.152.38"/>
Subnet Mask	<input type="text" value="255.255.255.255"/>
Default Gateway	<input type="text" value="115.168.82.133"/>
Primary DNS Server	<input type="text" value="202.96.128.86"/>
Secondary DNS Server	<input type="text" value="220.192.32.103"/>

DHCP Mode

Obtain IP and DNS information relating to the extranet ports from the DHCP server and make sure that the extranet ports connect to DHCP server. You can choose not to fill in the network name.

WAN Connection Type: ▼

DHCP Mode	
Hostname (optional)	<input type="text"/>

PPPOE (ADSL) Mode

User Name: Fill in the Internet access account as provided by the ISP. Please place enquiries on the ISP in case of any queries.

Password: Fill in the password as provided by the ISP. Please place enquiries on the ISP in case of any queries.

Operation modes: Divided into “Keep Alive” connection, “Manual” connection and “On Demand” connection.

Keep Alive: Under this mode, the system will connect to the network automatically after the start-up. If the network is disconnected while being used due to external reasons, the system will try to get access to the network every once in a while until the network is connected successfully.

Manual connection: Under this mode, the user has to manually handle the dialup connection if the network is disconnected.

Under the “On-Demand” mode, the system will be connected to the network automatically in case of WAN access requests. If there are no network access requests within the specific period (idle time), the system will disconnect to the network automatically. This connection mode could effectively save network access fees for users that select to make payment by the time actually consumed.

WAN Connection Type: PPPOE (ADSL) ▾

PPPOE Mode	
User Name	<input type="text" value="pppoe_user"/>
Password	<input type="password" value="....."/>
Verify Password	<input type="password" value="....."/>
Operation Mode	Keep Alive ▾
	<ul style="list-style-type: none">Keep AliveOn DemandManual
	Redial Period <input type="text" value="60"/> seconds
	: Idle Time <input type="text" value="5"/> minutes

Back Next Apply Cancel

PPTP and L2TP (Establish a tunnel via PPTP or L2TP and get connected to a VPN)

Server IP: Fill in the IP address as provided by the ISP. This is mandatory.

User Name: Enter the user name used by L2TP dial-up. This is mandatory and shall be provided by the operator.

Password: Enter the password used by L2TP dial-up. This is mandatory and shall be provided by the operator.

Address mode: There are two ways to obtain the address, namely the static mode and the

dynamic mode.

1. Please select the dynamic IP if you can automatically obtain IP addresses from the ISP. There is no need to fill in the information included in the following three columns if you select the dynamic mode.
2. If you have fixed IP address as provided by the ISP, please select the static IP and fill in three items (namely IP address, subnet mask and default gateway) in the following columns.

Operation mode:

1. Keep Alive: If you select the continuous connection mode, the system will connect to the network automatically after the start-up. If the network is disconnected while being used due to external reasons, the system will try to get access to the network every once in a while until the network is connected successfully.
2. Manual: Under this mode, you have to re-dial-up manually after the network is disconnected.

WAN Connection Type:

L2TP Mode	
Server IP	<input type="text" value="l2tp_server"/>
User Name	<input type="text" value="l2tp_user"/>
Password	<input type="password" value="....."/>
Address Mode	<input type="text" value="Static"/>
IP Address	<input type="text" value="192.168.0.1"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
Default Gateway	<input type="text" value="192.168.0.254"/>
Operation Mode	<input type="text" value="Keep Alive"/>
	<input type="text" value="Manual"/> : Redial Period <input type="text" value="60"/> seconds

3G Mode

Run Type:

Under the “Keep Alive ” mode, the router will dial up automatically and get connected to the Internet when 3G equipment is plugged in.

Under the “Manual” mode, the access internet through dial-up will not be launched until the user clicks “Connection” on the status page.

Quick Start Guide

Under the “On-Demand” mode, the system will be connected to the network automatically in case of WAN access requests. If there are no network access requests within the specific period (idle time), the system will disconnect to the network automatically. This connection mode could effectively save network access fees for users that select to make payment by the time actually consumed.

PIN settings: If your SIM/USIM/UIM card has a PIN code, you shall select “Use PIN” and fill in the PIN code in the following Input Box. Otherwise, you shall select “Unused PIN”.

APN: If you select “Auto APN”, then information such as “APN Information”, “Dial Number”, “User” and “Password” shall be filled by the router automatically. If you select “Manual APN”, then you have to fill in such Internet access information by yourself.

DNS type: If you select “Automatic DNS”, the router will use the DNS obtained by 3G dial-up. If the “Manual DNS” is selected, the router will use the DNS information entered by the user.

WAN Connection Type: 3G ▾

3G Mode	
Run Type	<div style="border: 1px solid black; padding: 2px;">Keep Alive ▾ Keep Alive Manual On Demand</div> <div style="display: inline-block; vertical-align: top; margin-left: 10px;">Period(senconds) <input style="width: 50px;" type="text" value="10"/> : Idle Time(minutes) <input style="width: 50px;" type="text" value="2"/> PPPD TimeOut(senconds) <input style="width: 50px;" type="text" value="10"/></div>
PIN Setting	<input type="radio"/> Use Pin <input checked="" type="radio"/> Unused Pin <input style="width: 100px;" type="text"/>
APN	<input checked="" type="radio"/> Auto APN <input type="radio"/> Manual APN <input style="width: 100px;" type="text"/>
Dial Number	<input style="width: 100px;" type="text"/>
User	<input style="width: 100px;" type="text"/>
PassWord	<input style="width: 100px;" type="text"/>
DNS Type	Auto DNS ▾
DNS1	<input style="width: 100px;" type="text"/>
DNS2	<input style="width: 100px;" type="text"/>

Back Next Apply Cancel

Step 7: Configure LAN Information

LAN Setup	
IP Address	192.168.1.1
Subnet Mask	255.255.255.0
MAC Address	00:0C:43:30:52:77
DHCP Type	Server <input type="button" value="v"/>
Start IP Address	192.168.1.2
End IP Address	192.168.1.254
Subnet Mask	255.255.255.0
Primary DNS Server	192.168.1.1
Secondary DNS Server	192.168.1.1
Default Gateway	192.168.1.1

(Figure 19)

Click “Next” to Configure WLAN Information

Intranet ports and DHCP settings

IP Address: set up IP address for Intranet ports.

Subnet Mask: set up masks for the Intranet.

MAC Address: display the physical address of Intranet ports.

DHCP Type: Select “Server” to open DHCP services and then the host in the Intranet could obtain IP dynamically.

Start IP address-End IP address: IP obtained by the host in the Intranet via DHCP mode are included in this range.

Default gateway: set up the gateway for the host in the Intranet.

DNS server: set up DNS server for the host in the Intranet.

Step 8: Configure WLAN Information

Wireless Network			
Radio On/Off	Enable ▾		
Network Mode	11b/g/n mixed mode ▾		
Network Name(SSID)	436Rjiang		
Security Policy --			
Security Mode	OPEN ▾		
Wire Equivalence Protection (WEP)			
Default Key	Key 1 ▾		
WEP Keys	WEP Key 1 :	<input type="text"/>	Hex ▾
	WEP Key 2 :	<input type="text"/>	Hex ▾
	WEP Key 3 :	<input type="text"/>	Hex ▾
	WEP Key 4 :	<input type="text"/>	Hex ▾

(Figure 20)

Click “Apply ” to Complete configuration

Radio On/Off: switch On or Off wireless networks. If Intranet clients do not select “Enable”, they could not get Wi-Fi connectivity to the Intranet of the router.

Network Mode : select standards used by wireless networks. Options are 802.11b, 802.11g and 802.11n, or mix standards 802.11b/g,802.11b/g/n.

Network Name (SSID): Enter a name for your wireless local area network (WLAN).

Security Policy: If “Disable” is selected, Intranet clients could have Wi-Fi connection to the router’s Intranet without entering key information.

Security Poclcy:If “OPEN”, “SHARED” or “WEPAUTO” is selected, there is a need to set up the key information. Wireless clients in the Intranet cannot gain access to the router’s Intranet until correct key information is entered.

You can fill in four (ASCII or Hex, Hex with a length of 10 or 26 characters, ASCII with a length of 5 or 13 characters) keys for this router at the most. One of the four groups of pre-set keys can be selected as the current effective key (default key).

7 Restoring the Factory Defaults

You need to reconstruct the network or you forget the changes of some parameters, you can choose to restore factory defaults and reconfigure the device.

Reset: Press and hold it to restore the factory defaults. After this operation, all configurations are restored to the defaults.



(Figure 21)

FCC STATEMENT

1. This device complies with Part 15&22/24 of the FCC Rules. Operation is subject to the following two conditions:
 - (1) This device may not cause harmful interference.
 - (2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body