ASCENT Communication Technology

# ACT AP224B GPON HGU ONT

## Quick Reference Guide

Revision C

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ACT Document Number: ACT AP224B GPON HGU ONT

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This document is produced to assist professional and properly trained personnel with installation and maintenance issues for the product. The capabilities, system requirements and/or compatibility with third-party products described herein are subject to change without notice.

For more information, contact ACT: support@ascentcomtec.com

Revision History

| Revision | Date | Reason for Change |
|---|---|---|
| A | 2/15/2018 | Initial release |
| B | 2/17/2018 | Updated login information |

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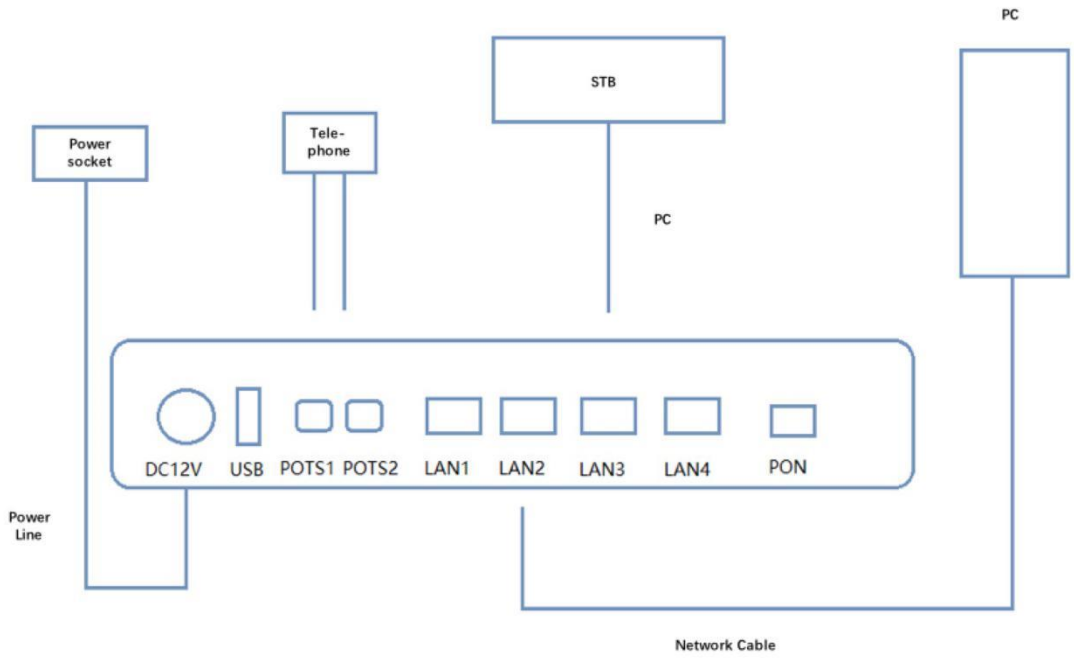
# Introduction

ASCENT's AP224B is a handy, flexible and standard device, with high integration, about connection to the net. It is a high-end multi-in-one terminal product up to IEEE802.11b/g/n standard, providing connection with high performance for home users and individual merchants.

Main Characteristics:

- Compliant with ITU-T G.984/988 standard, adopting GPON uplink set and monitored through WEB
- Remote configuration and management through TR069 protocol
- NAT and DHCP help to set the network and make internet access easy
- Firewall protection
- MAC and URL provide customization for Internet safety performance
- Terminal wireless access

# 1 Hardware Connection



**Connection finished, please check the indicators.**

| | | | |
|---|---|---|---|
| **POWER** | Power indicator | Green | ON: power on<br>OFF: power off |
| **PON** | PON indicator | Green | ON: ONU activation<br>OFF: no ONU activation<br>Flickering: ONU activation on |
| **WLAN** | WLAN indicator | Green | ON: connected but no data transmission<br>OFF: power off or no connection between port and net<br>Flickering: data transmission |
| **LAN 1 to 4** | Ethernet indicators | Green | ON: connected but no data transmission<br>OFF: power off or no connection to terminal device<br>Flickering: data transmission |
| **POTS** | Voice indicator | Green | ON: connected but no data transmission<br>OFF: power off or no connection to terminal device<br>Flickering: data transmission. |
| **USB** | USB indicator | Green | ON: connected but no data transmission<br>OFF: power off or no connection to terminal device<br>Flickering: data transmission |

**Note**

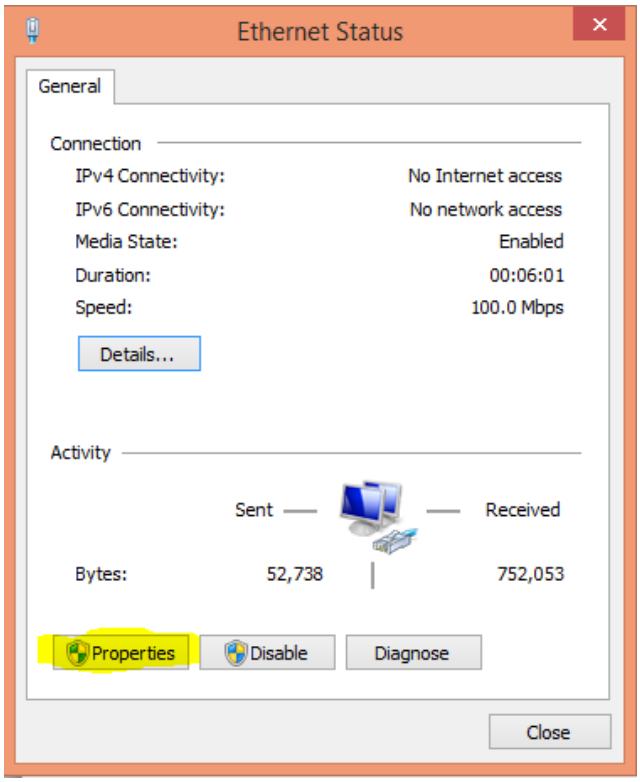
If there is something wrong with the indicators, please check the line connections.

**Warning**

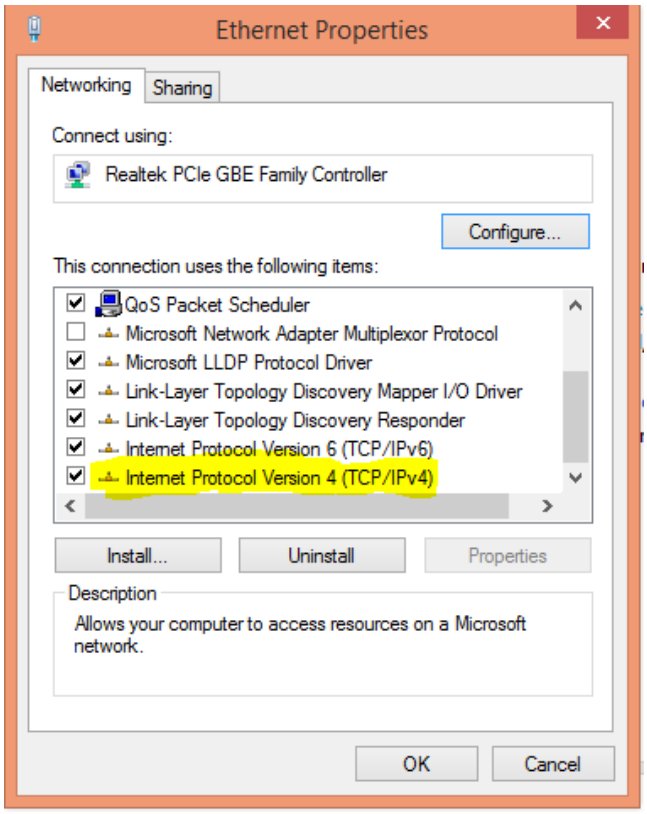
Lay the devices on horizontally flat surface.
Shut down the power supply and unplug all line connections during a lightning storm.
Keep the device away from heaters and keep the ventilation.
Use configured rated power adapter.

# 2 Computer Setup

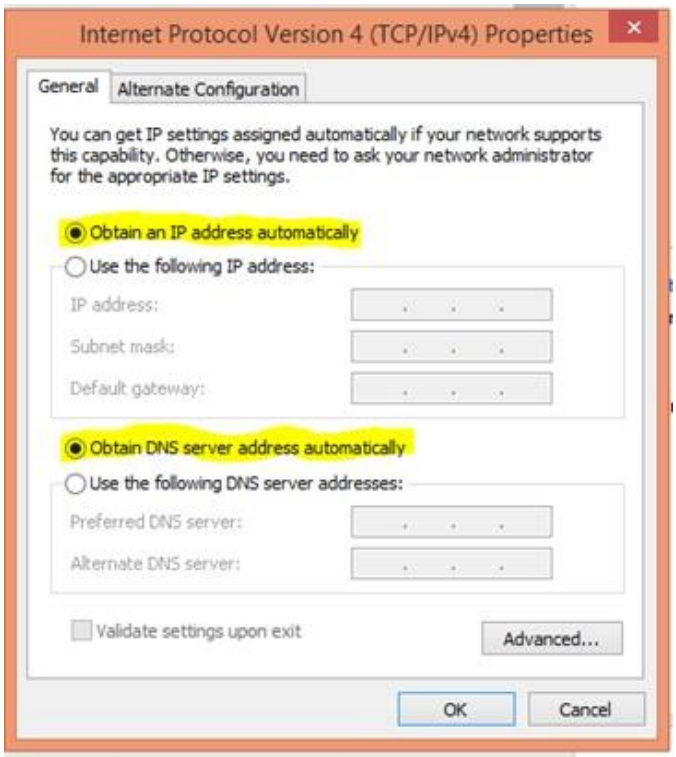
1) Click “Start → Control Panel → Network and Internet → Network and Sharing Center → Local Connection”, choose “Local Connection”, and “Properties”.




2) Double click “Internet Protocol Version 4 (TCP/IPv4)”



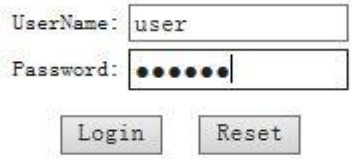

3) Choose “Obtain an IP address automatically” and “Obtain DNS server address automatically”, then click “OK”.



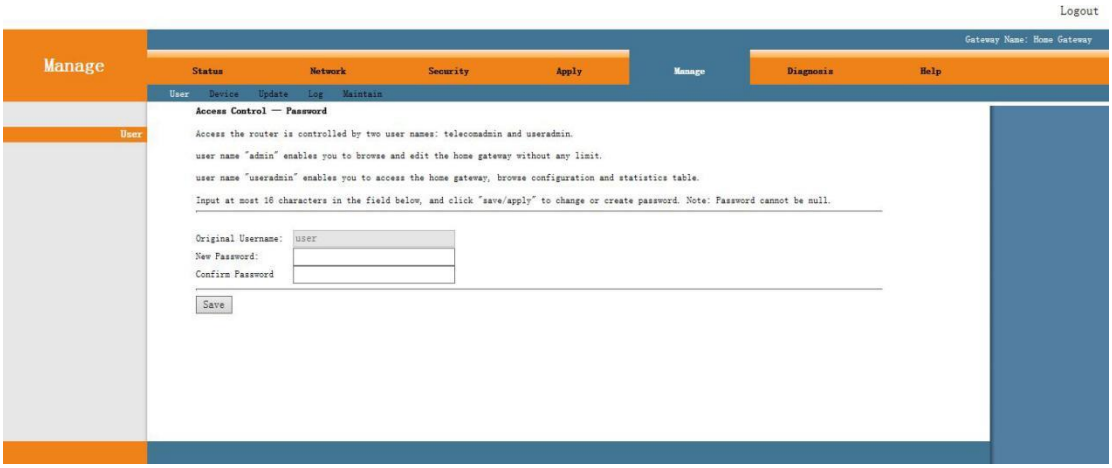
# 3 Guide Setup

1. Open Internet Explorer


2. Type 10.0.0.10 in address bar, enter the web, and type UserName **“admin”** and Password **“super&123”** to log in to the interface.

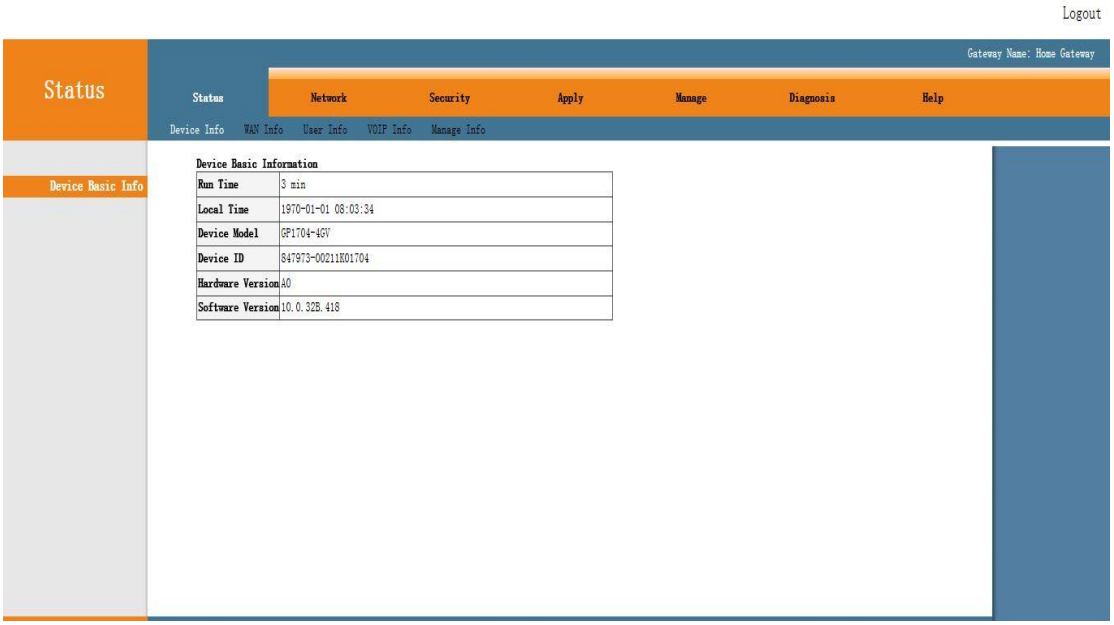



Do as the following steps if UserName and Password is modified.




3. Device Management

   a. On the interface, click “Device Basic Info” under “Status” to see the basic information of the device.




b. If you need to update the software, choose “Update” under “Manage”, as follows:

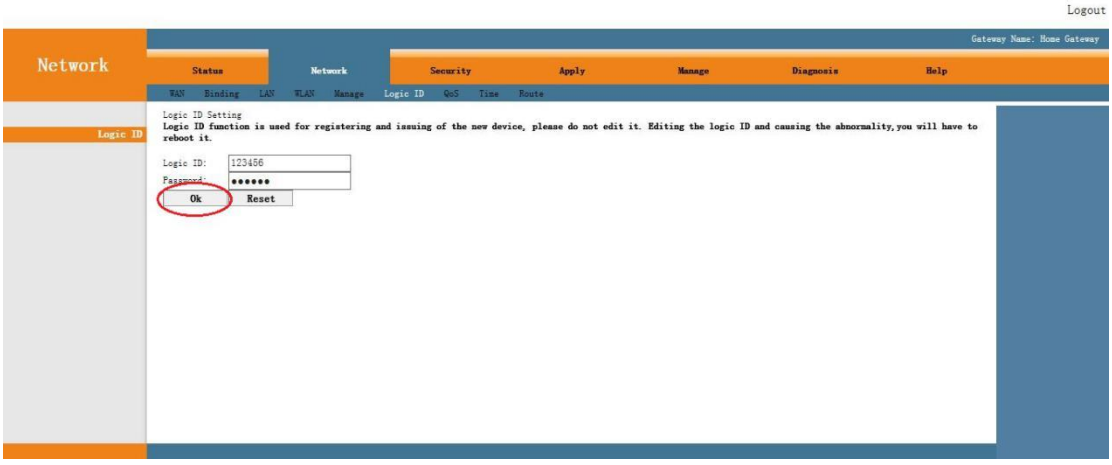

Select updated version and file, then click “Software Update” and enter “Software Update” to start.

4. Device configuration:

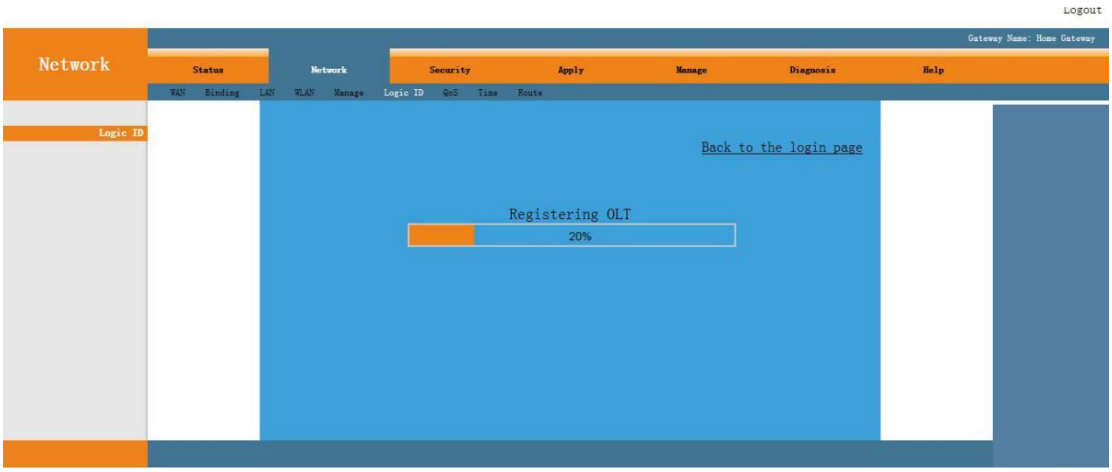
a. Under WAN, users can set “Mode”. Choose “Bridge”, “Service Mode” and “INTERNET”, select on binding port and save. Set the PC WLAN as “IP address received automatically” and “DNS service address received automatically”. The net works.


b. Logic ID:

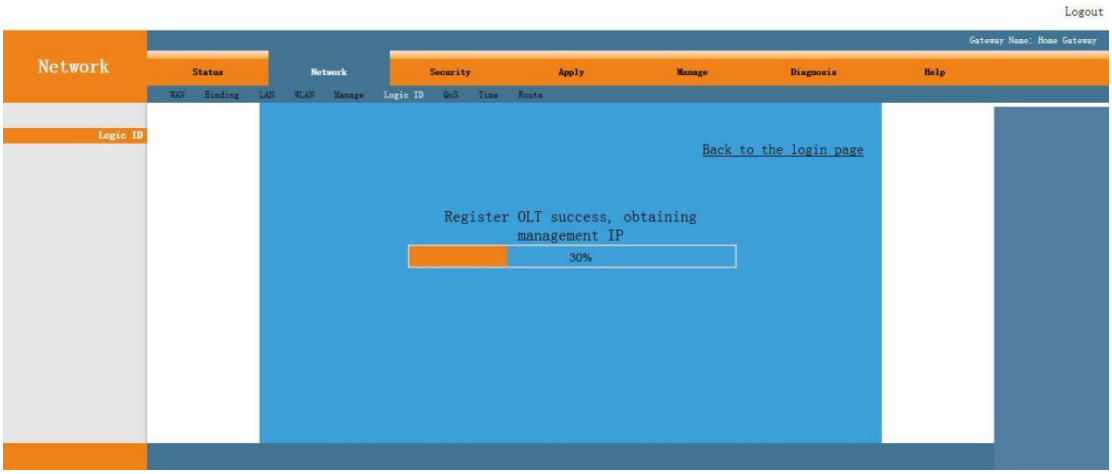
If LOID was set, LOID info should be configured on ONU. Please click “Logic ID” to log. As follows:




Input logic ID and Password, and then click “OK”.



The interface is shown as follows:




**Reset**

When Username and Password logging in the router are forgotten, please reset the router.

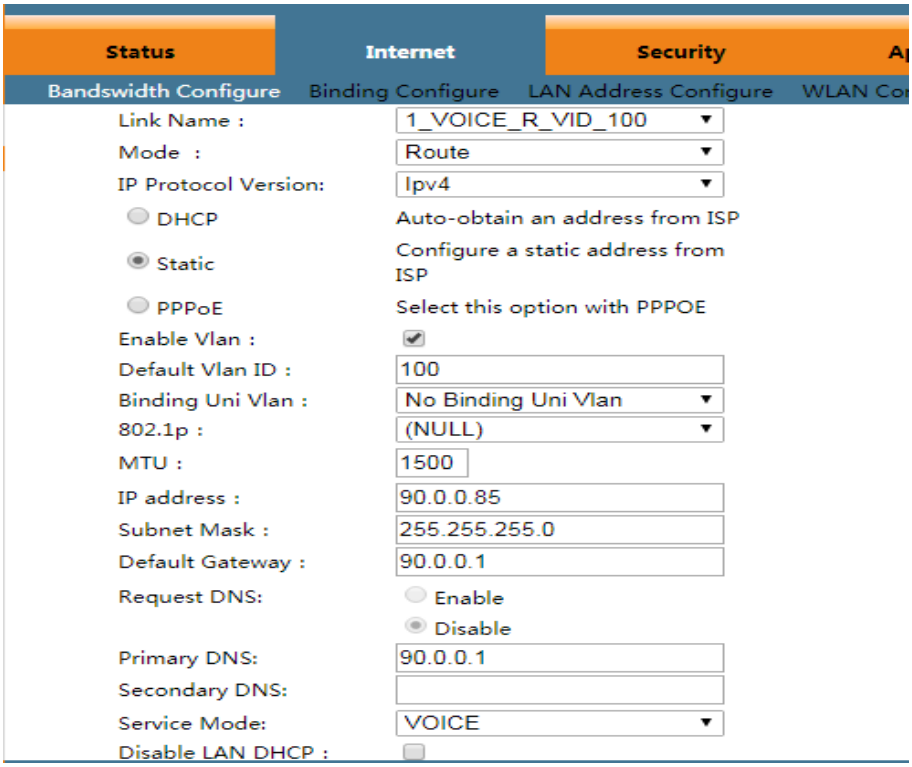
How to reset: with power on, use a toothpick or paperclip to press “RESET” for 10 seconds until the device restarts.

**Note**

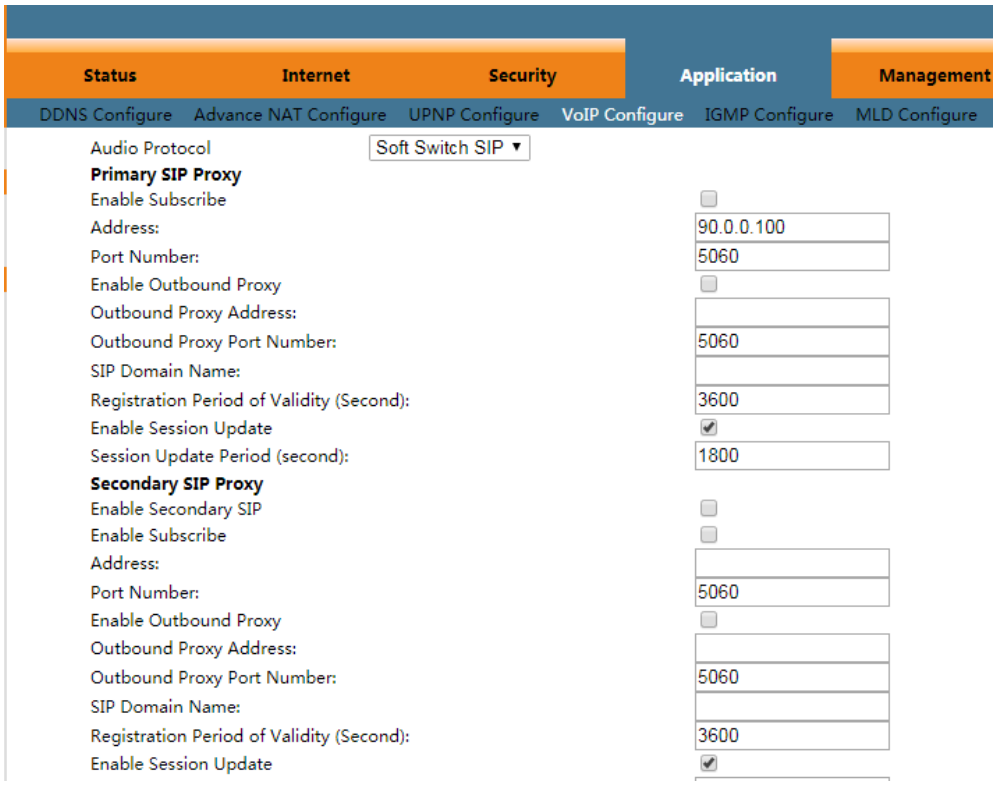
After restoration, reset the router.

c. VOIP Configuration

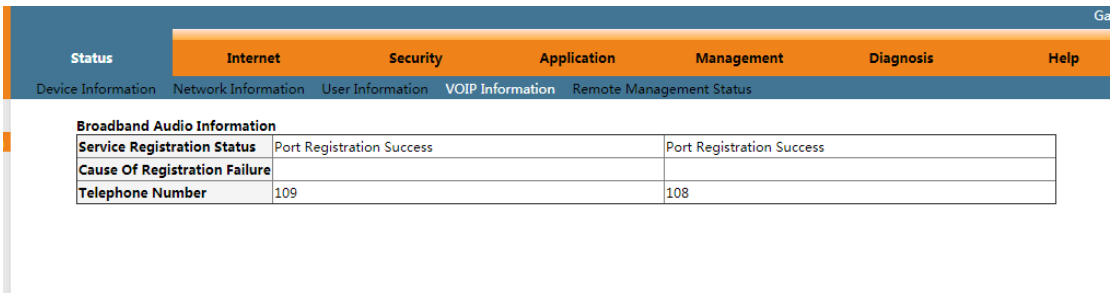
Mode: Route; IP Protocol Version: Static; Service Mode: VOICE



Click “Application”--”VoIP Configure”, see the figure.




Click “Application” to see the VOIP Information




# Troubleshooting

5. The computer can see wireless signals but cannot be connected.

   a. Please make sure the connected wireless name is in accordance with the SSID of the wireless router.

   b. Check the signal strength of the wireless signal, adapt the location of the router if necessary.

   c. Refresh the networks list and reconnect the wireless.

   d. Consult manufacturers of the laptop or WLAN card, then connect WLAN based on

acknowledged parameters.

e. Restart the computer.

If it still does not work, please restore the router and reset it to connect.

6. No wireless signals received.

a. Please ensure WLAN switch is on.

b. Check WLAN driver is installed successfully or not; if not, reinstall it.

c. Check wireless functions of the router is ready with SSID Broadcast permission or not.

d. Check the service is on or not. Here are the steps with Windows 7: right-click “my computer”, choose “manage”. In management, choose “service and application” and unfold “service” to find “WLAN AutoConfig”. Make sure it is on.

e. Try to get closer to the router. If it still does not work, try to connect any other wifi; if not, restore the router and reset.

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Specifications and product availability are subject to change without notice.

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