

# Welltech

## Wi-Fi VoIP Gateway

### (WellGate 3512)

## Quick Guide

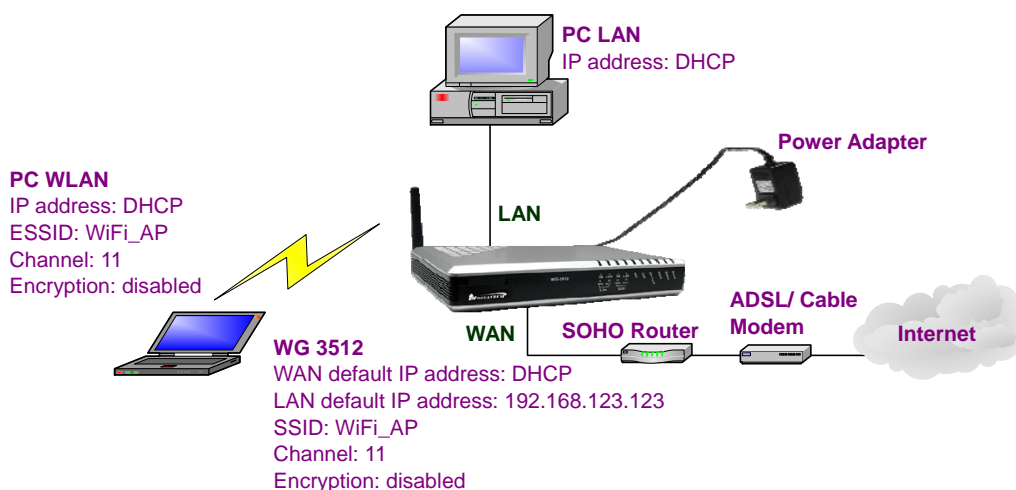


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## I. Installation



### Step 1. Power on the WG3512

### Step 2. Check the LEDs

After power on, the [Power] and [PSTN] LEDs should be on; [WLAN] LED should be blinking.

### Step 3. Connect PC with one of LAN port

Please connect PC with one of the LAN port on WG3512 and set PC as DHCP mode. PC will get one dynamic IP from WG3512, such as 192.168.123.1.

### Step 4. Browse the Default IP Address of WG3512 and enter the web interface main screen

Please enter IP address of WG3512 in web browser. The default IP address of WG3512 is **192.168.123.123**. Login username and password of default is **root** and **root**, and the user can see web interface main screen as below.



## II. Setting to work

After enter web management interface, user can see 8 main items.

1. **Setup Wizard:** User can follow steps in wizard to make first-time initial configuration.
2. **Operation Mode:** User can setup different modes to LAN and WLAN interface for NAT and bridging function.
3. **Wireless:** User can set all wireless related parameters here.
4. **TCP/IP:** User can set LAN and WAN related configurations here.
5. **Firewall:** User can set firewall function of WG3512 here.
6. **VoIP Setting:** User can set VoIP related parameters here.
7. **Management:** User can check information or manage WG3512 here.
8. **System Reboot:** User can remote reboot WG3512 here.

### Button Definition:

1. **Apply Changes:** After change or input any parameter, press this button will save data into WG3512.
2. **Reset:** Press this button will clean data input by user and restore to original data.

### Step 1. Enter Setup Wizard to configure basic network settings

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

Press **Cancel** will return to the first page of Setup Wizard.

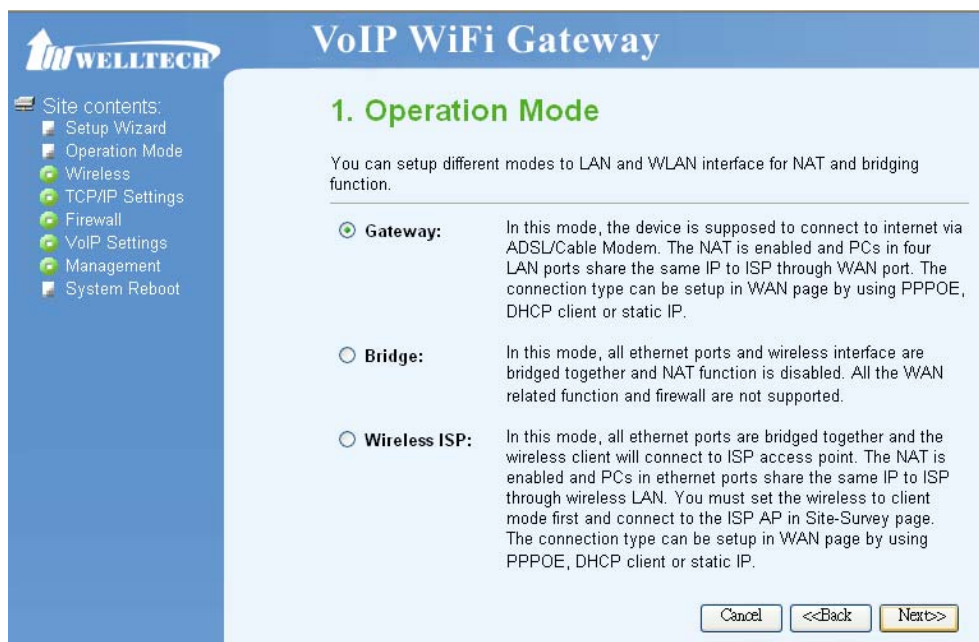
Press **Next>>** to next step.

Press **<<Back** will return to last step of Setup Wizard.

Press **Finished** will save all configurations and WG3512 will reboot.

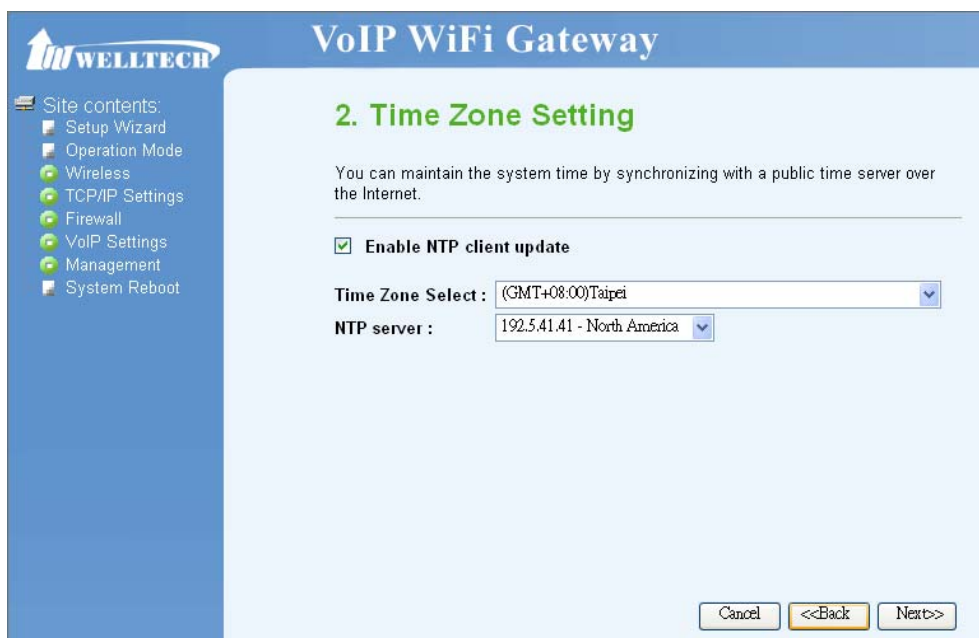


- **Operation Mode:** You can setup different modes to LAN and WLAN interface for NAT and bridging function. WG3512 provide all 3 primary modes and 4 extended modes. Here you can find 3 primary modes, including: 1) Gateway mode, 2) Bridge mode, 3) Wireless ISP. Another 4 extended modes are changes from these 3 mainly modes and plus some application, including: 1) Client mode, 2) WDS Repeater Mode, 3) Universal Repeater mode, 4) WISP + Universal Repeater mode. Here we will guide you how to setup WG3512 with Gateway mode.



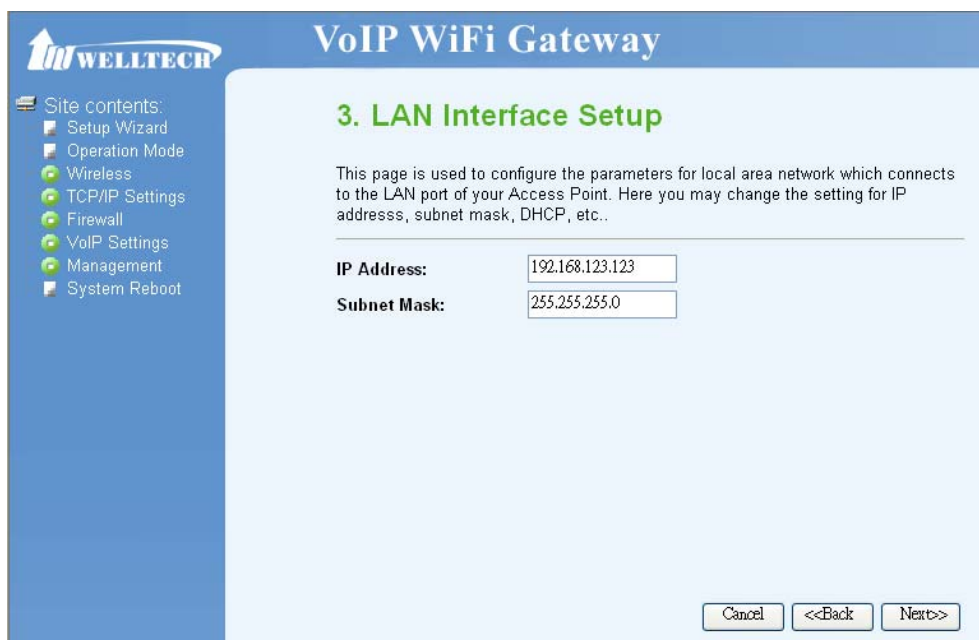
In Gateway mode, the device is supposed to connect to internet via ADSL/Cable Modem. The NAT is enabled and PCs in four LAN ports share the same IP to ISP through WAN port. The connection type can be setup in WAN page by using PPPOE, DHCP client or static IP.

- **Time Zone Setting:** You can maintain the system time by synchronizing with a public time server over the Internet.
1. Enable NTP client update: User can update time of WG3512 from NTP server if this function is enabled.
  2. Time Zone Select: Select the time zone according to location.
  3. NTP server: User may select one NTP server for WG3512 to update current time.



- **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...

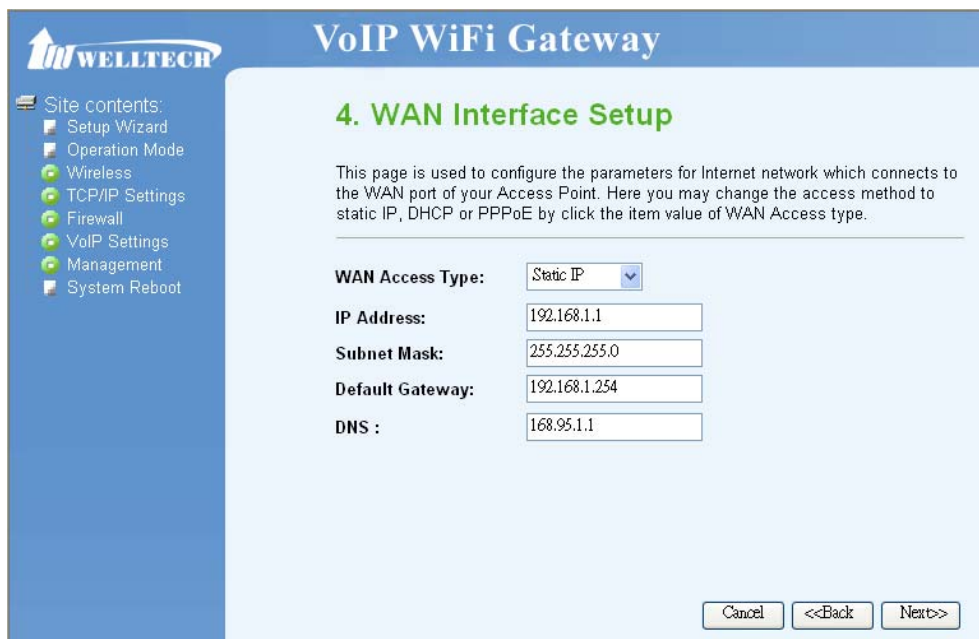
1. IP Address: Set IP address of LAN interface. Default is 192.168.123.123.
2. Subnet Mask: Set subnet mask of LAN interface. Default is 255.255.255.0.



- **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 WAN network type to Static IP, DHCP Client, PPPoE by click the item

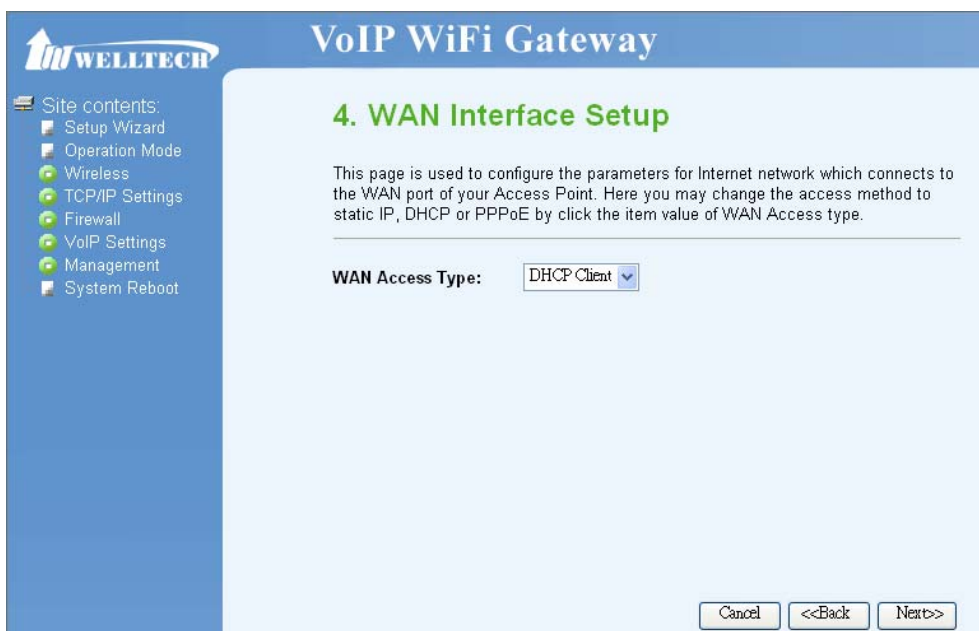
value of WAN Access type. Default is DHCP Client.

1. Static IP: Set WAN interface as Static IP mode.
  - IP Address: set IP address of WAN interface.
  - Subnet Mask: set subnet mask of WAN interface.
  - Default Gateway: set default gateway of WAN interface.
  - DNS: set Domain Name Server for WAN interface.



The screenshot shows the '4. WAN Interface Setup' page in the VoIP WiFi Gateway configuration utility. The left sidebar contains a 'Site contents' menu with options: Setup Wizard, Operation Mode, Wireless, TCP/IP Settings, Firewall, VoIP Settings, Management, and System Reboot. The main content area has a title '4. WAN Interface Setup' and a description: '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 or PPPoE by click the item value of WAN Access type.' Below this, there are five configuration fields: 'WAN Access Type' (set to 'Static IP'), 'IP Address' (192.168.1.1), 'Subnet Mask' (255.255.255.0), 'Default Gateway' (192.168.1.254), and 'DNS' (168.95.1.1). At the bottom right, there are three buttons: 'Cancel', '<<Back', and 'Next>>'.

2. DHCP Client: Set WAN interface as DHCP mode.

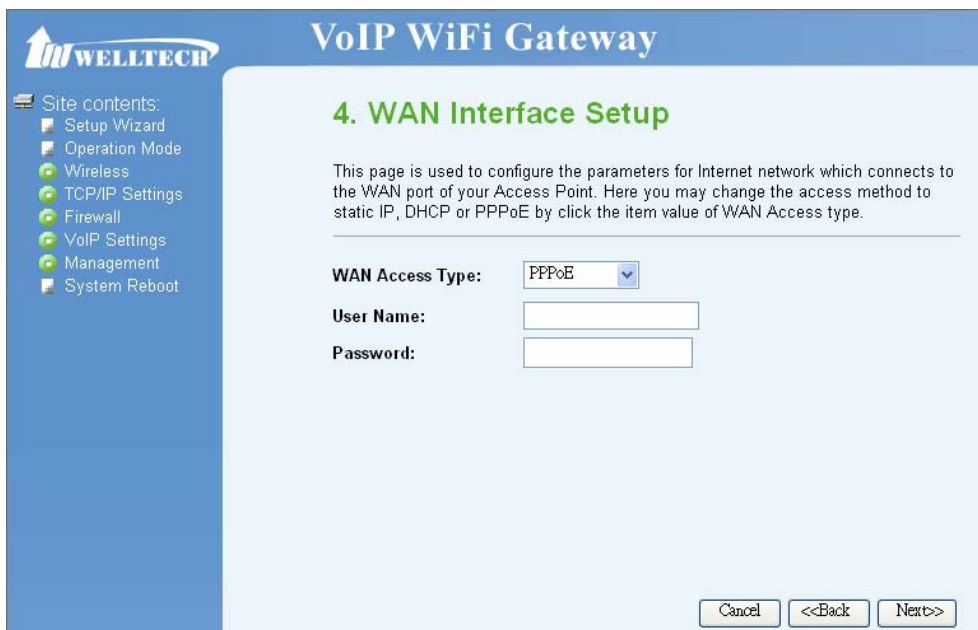


The screenshot shows the '4. WAN Interface Setup' page in the VoIP WiFi Gateway configuration utility, similar to the previous one. The left sidebar and main content area are identical. The 'WAN Access Type' dropdown is now set to 'DHCP Client'. The other fields (IP Address, Subnet Mask, Default Gateway, DNS) are empty. The buttons at the bottom right are 'Cancel', '<<Back', and 'Next>>'.

3. PPPoE: Set WAN interface as PPPoE mode.



- User Name: Set user name of PPPoE connection.
- Password: Set password of PPPoE connection.



**VoIP WiFi Gateway**

**4. 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 or PPPoE by click the item value of WAN Access type.

WAN Access Type:

User Name:

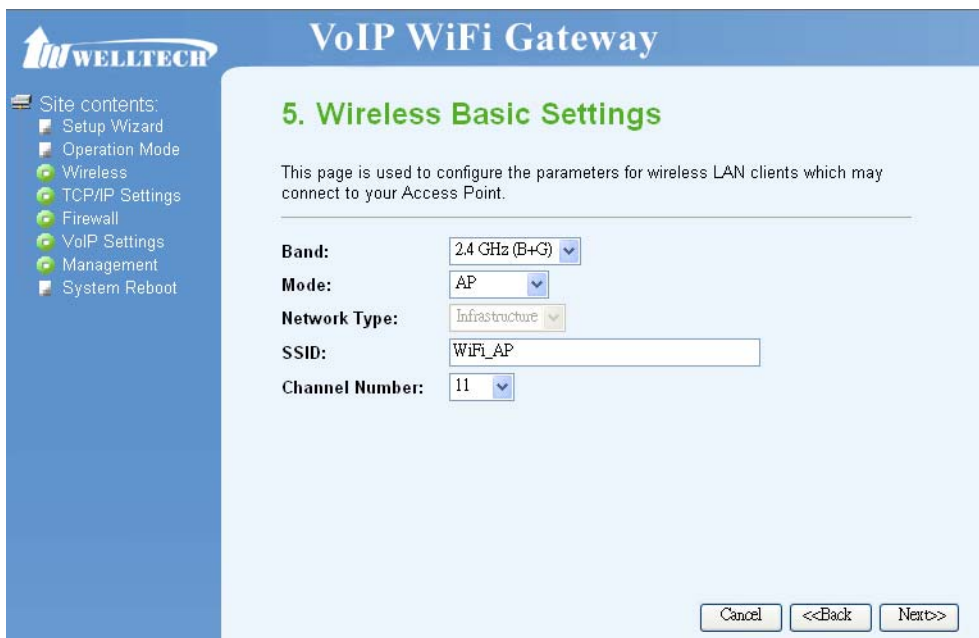
Password:

- **Wireless Basic Settings:** This page is used to configure the parameters for wireless LAN clients, which may connect to your Access Point.
1. Band: Select wireless band as 802.11b, 802.11g, or 802.11b+g.
  2. Mode: Select wireless mode. User could find 4 different modes here, including AP, Client, WDS, AP+WDS. AP mode enables WG3512 as wireless access point and allows other devices to connect wirelessly to a wired Ethernet network. Client mode enables WG3512 to perform as a wireless client card and other devices can connect with Ethernet cable to WG3512. WDS mode is to extend the wireless coverage of another wireless AP. AP+WDS enables WG3512 to perform as an AP and a WDS repeater. Here we will guide you how to setup it with AP mode.
  3. Network Type: Only when wireless mode set as client, user can select network type as infrastructure or Ad hoc. Infrastructure represents a wireless network centered about an access point. Ad hoc represents a wireless network composed only of stations within mutual communication range of each other.
  4. SSID: specify to the WG3512 an SSID (Service Set Identifier), which is a unique identifier attached to packets over WLAN. The SSID is up to 32 ASCII characters that differentiate the WG3512 from other WiFi AP, and it is also referred to as the ESSID (Extended Service Set Identifier). You may use the default SSID unless there more than one WG3512 in the same area. In this



case, you should specify different SSID for each WG3512.

5. Channel Number: Set channel for wireless connection. You can set channel for radio communication manually. If you set it as Auto, the WG3512 will select a clear channel during boot up.



**VoIP WiFi Gateway**

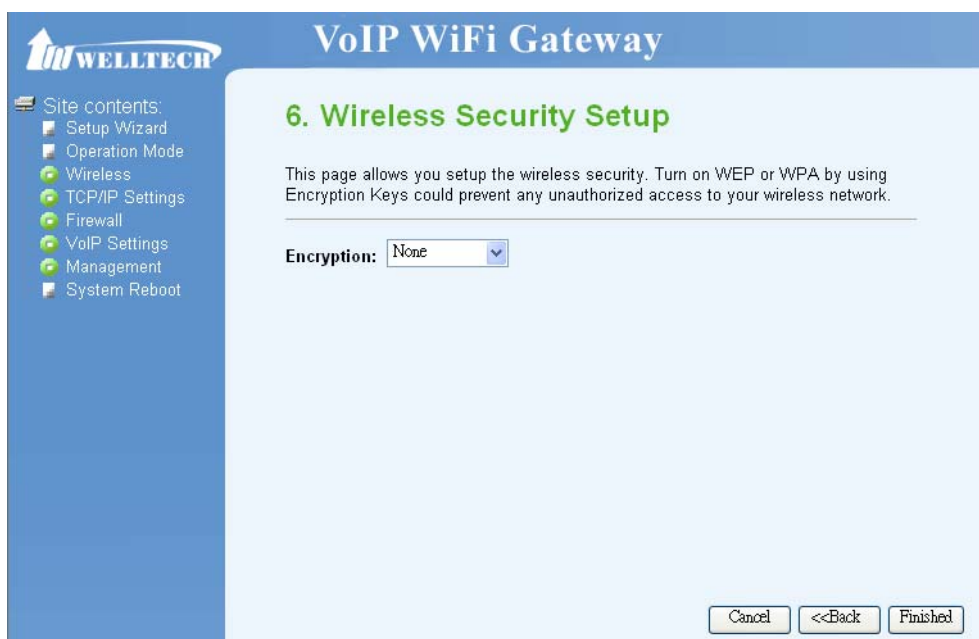
**5. Wireless Basic Settings**

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

**Band:** 2.4 GHz (B+G)  
**Mode:** AP  
**Network Type:** Infrastructure  
**SSID:** WiFi\_AP  
**Channel Number:** 11

Cancel <<Back Next>>

- **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. If you chose None, there will be no encryption.



**VoIP WiFi Gateway**

**6. Wireless Security Setup**

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

**Encryption:** None

Cancel <<Back Finished

## Step 2. Enter VoIP Settings to configure Phone1 and Phone2

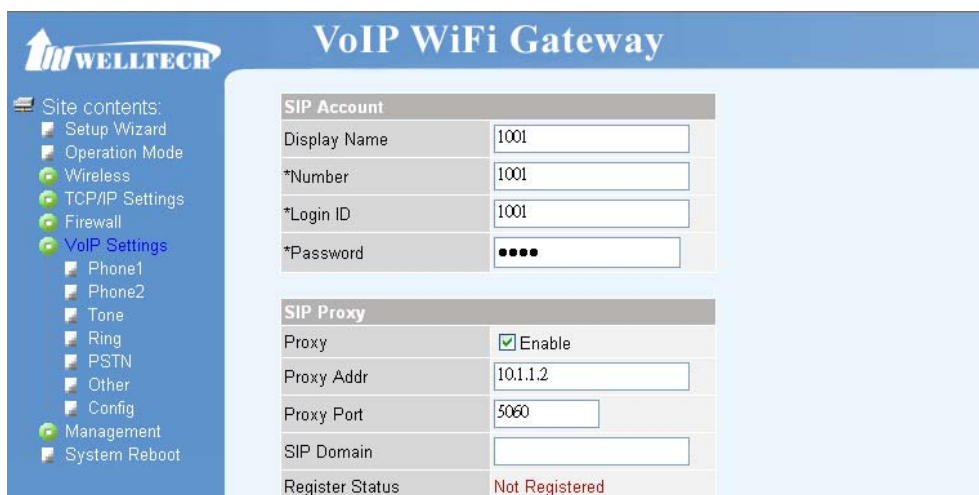
Here is to set VoIP Phone1 and Phone2 related configurations.

### ➤ SIP Account

1. Display Name: set WiFi Phone display name for caller ID information.
2. Number: set registering Phone number.
3. Login ID: If Proxy server needs registration authentication please input Login ID here.
4. Password: If Proxy server needs registration authentication please input password here.

### ➤ SIP Proxy

1. Proxy: check to enable Proxy mode.
2. Proxy Addr: If user enable Proxy mode, please input Proxy address.
3. Proxy Port: If user enable Proxy mode, please input Proxy port.
4. SIP Domain: Set SIP domain name for SIP signaling.
5. Register Status: here will display SIP account register status.



VoIP WiFi Gateway	
<b>SIP Account</b>	
Display Name	1001
*Number	1001
*Login ID	1001
*Password	....
<b>SIP Proxy</b>	
Proxy	<input checked="" type="checkbox"/> Enable
Proxy Addr	10.1.1.2
Proxy Port	5060
SIP Domain	
Register Status	Not Registered