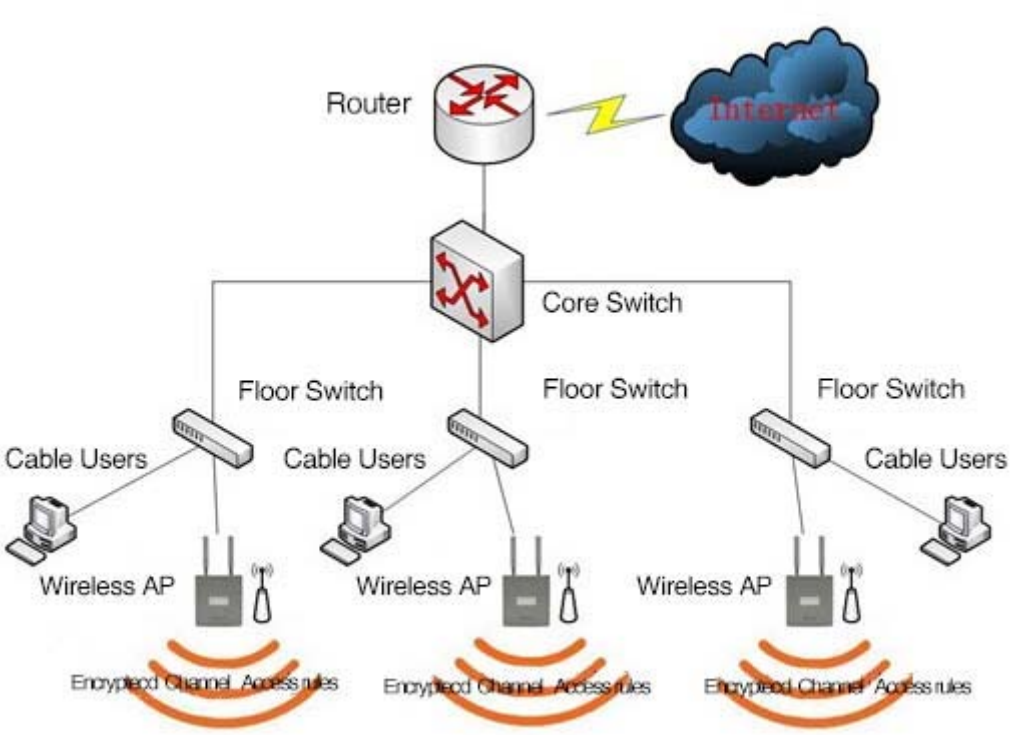
LIMARK WIFI AP Solution User Manual

1 Network set up

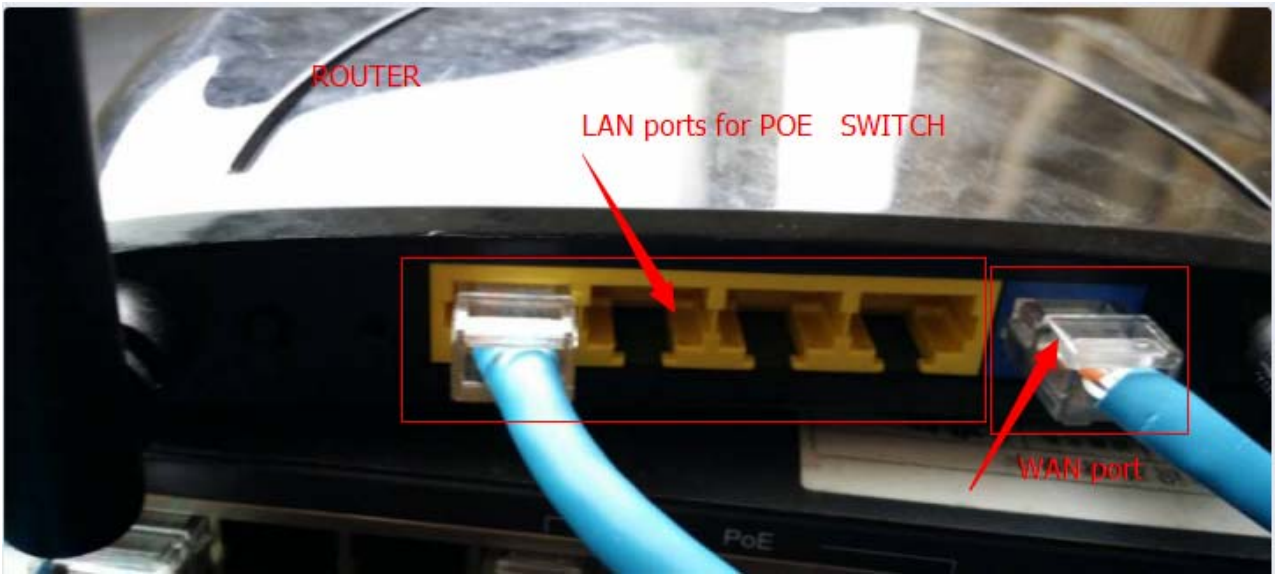
1.1 Network hardware link topology:



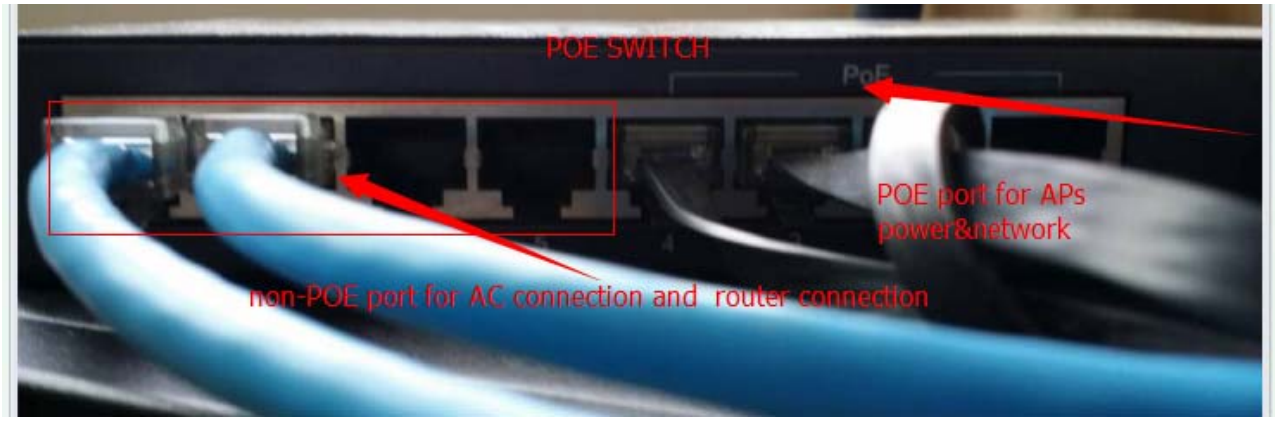
1.2 Equipment list: Router,Core switch,Floor switches,AP,Rj45 Cable,POE switch/POE power adapter.

1.3 Router Connection

Firstly,Plug the Rj45 cable from WAN to the WAN port of the router.



Secondly, plug the Rj45 cable from LAN port of the router to any port of the non-POE port of the POE switch.



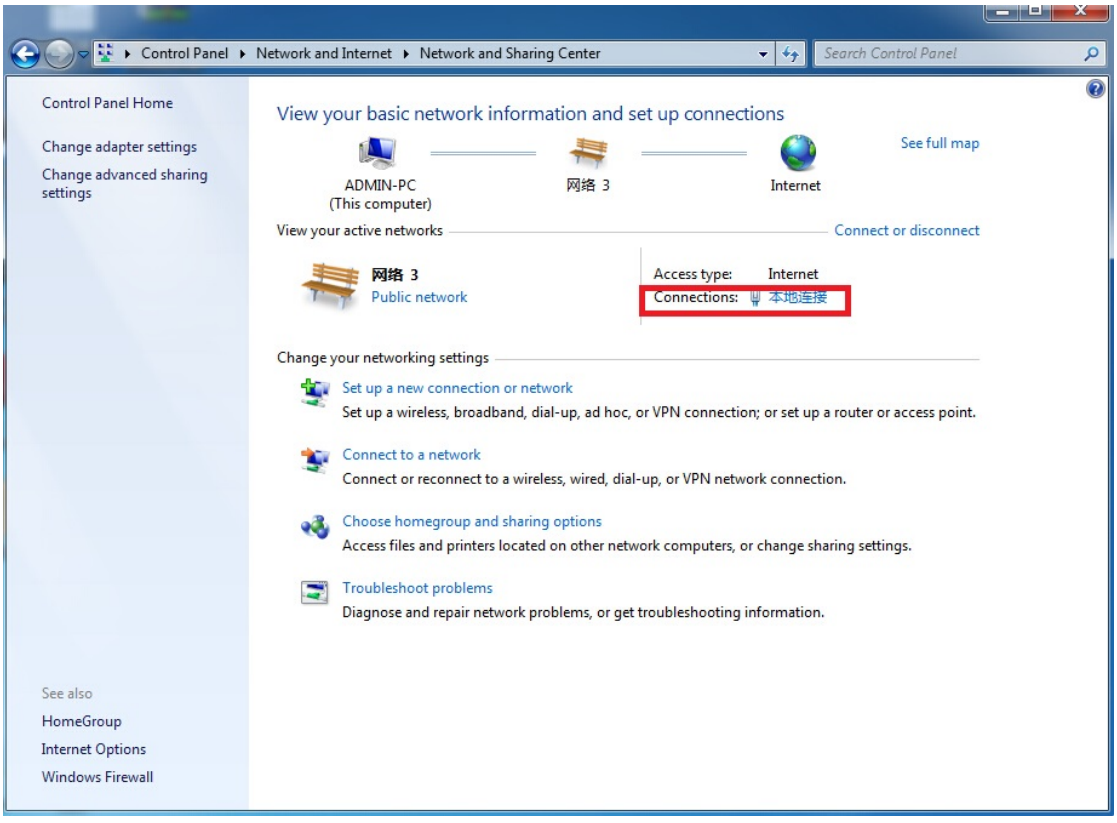
Thirdly, plug the Rj45 cable from the any of the non-Poe port of the POE switch to the port marked" 3" in the AC.

Note: In this step, the Rj45 cable shall be of CAT6/6A standard.

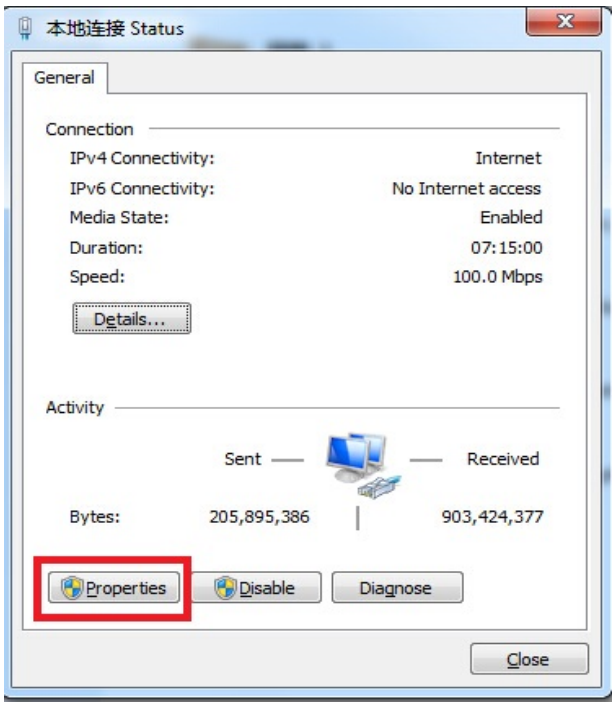
1.4 Modify the PC IP address

Firstly, Use a short pair of Rj45 cable, connect the PC with Win Xp/7/8 OS to the router LAN port,

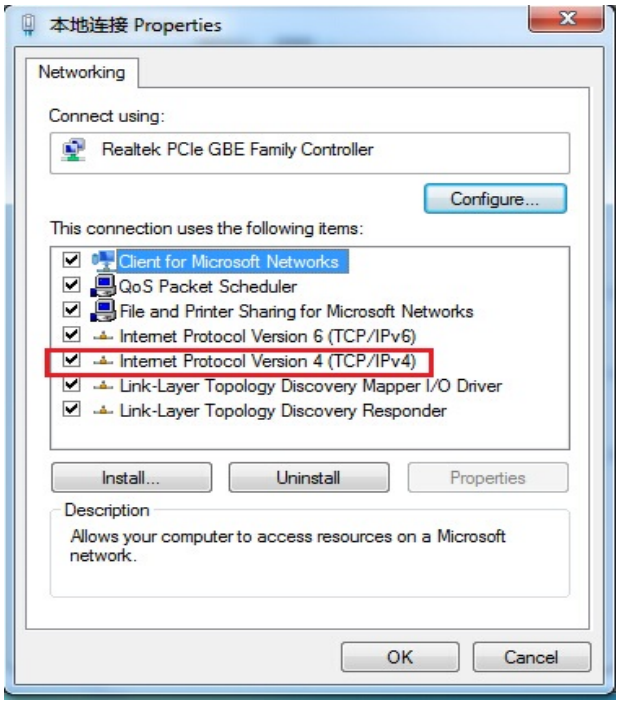
Click"Start menu, control panel, network and Internet, network and sharing center".Click"Local connection" like the attached screenshot.



Secondly, in the "local connection" dialog box, click "properties".



Thirdly, in the "local connection properties dialog box" double-click "Internet Protocol Version 4".



Fourthly,in the "Internet Protocol Version 4" dialog box, set the Ip address of the PC in the same network segment with the router.

For instance:

Static IP address:

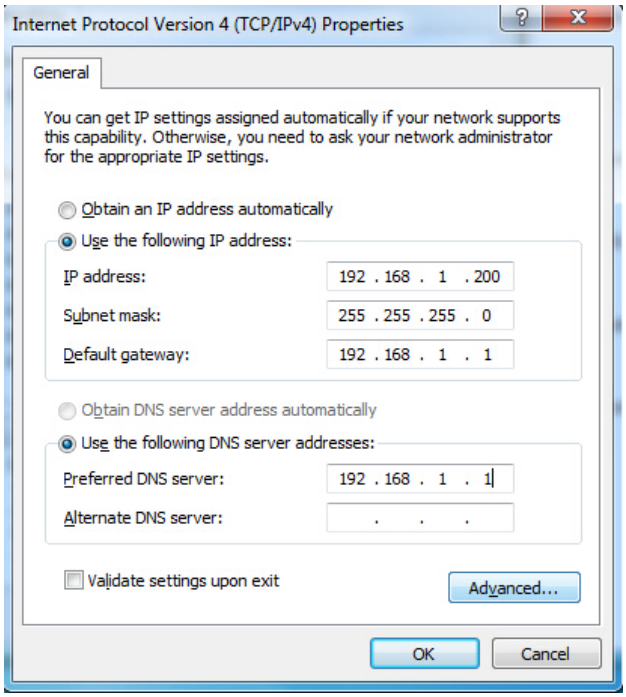
IP: 192.168.1.200

Subnet Mask: 255.255.255.0

Gateway:192.168.1.1

DNS:192.168.1.1

Note: The router we use in the test is of 192.168.1.1 network segment.



Or Just choose DHCP and Automatic DNS.

2 Router Configuration

Note: In this step, we use the router to connect to the Internet for normal internet usage and test, also the router shall act as valid IP address pool provider for various network users.
The router WAN setting shall be correct as per different network envionment for normal Internet access.
The router LAN IP address pool setting shall be valid and big enough for all kinds of users requirement.
For instance, in the test we use Feixin Router, enter the setting page by web browser of PC. The default user name and password is “admin”.

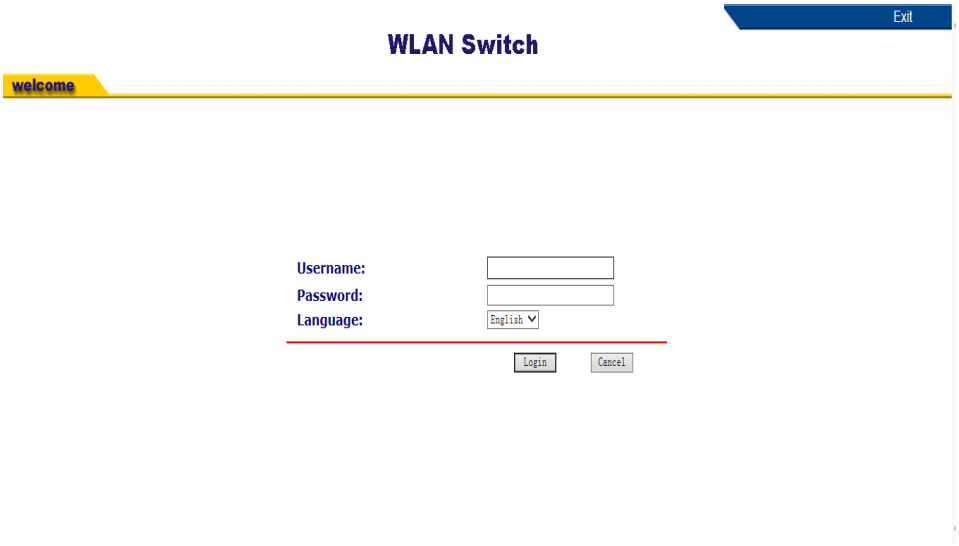
Enter the router setting page, choose the correct WAN setting for normal internet connection.

Then configurate LAN Ip address pool according to the requirement.

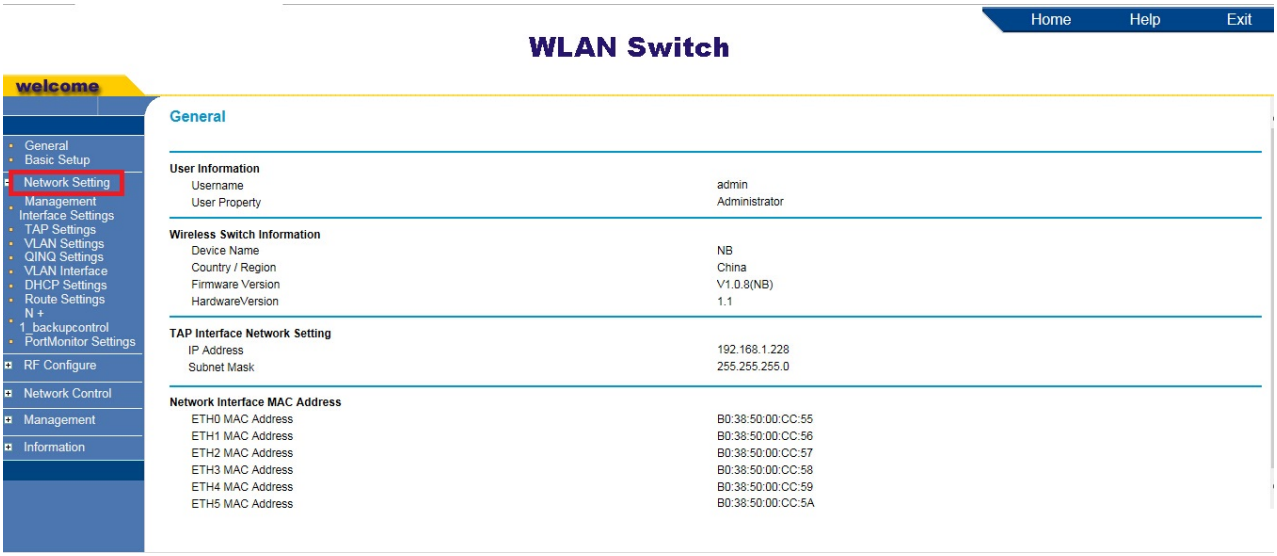
3 AC Configuration

3.1 Enter 192.168.1.228 to the address bar of PC web browser, click enter to enter AC configuration page.

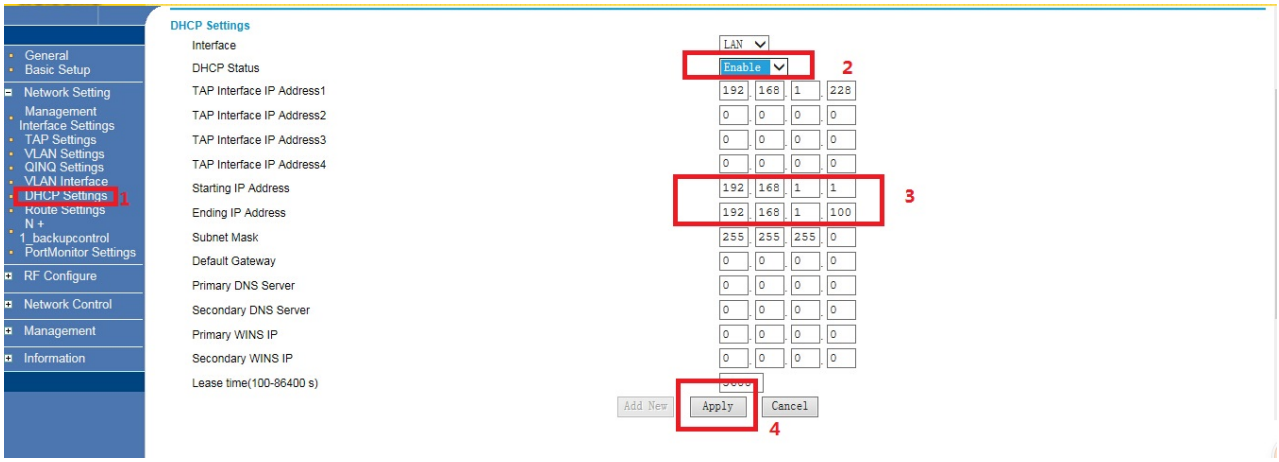
The default user name is “admin”, password:” password”.



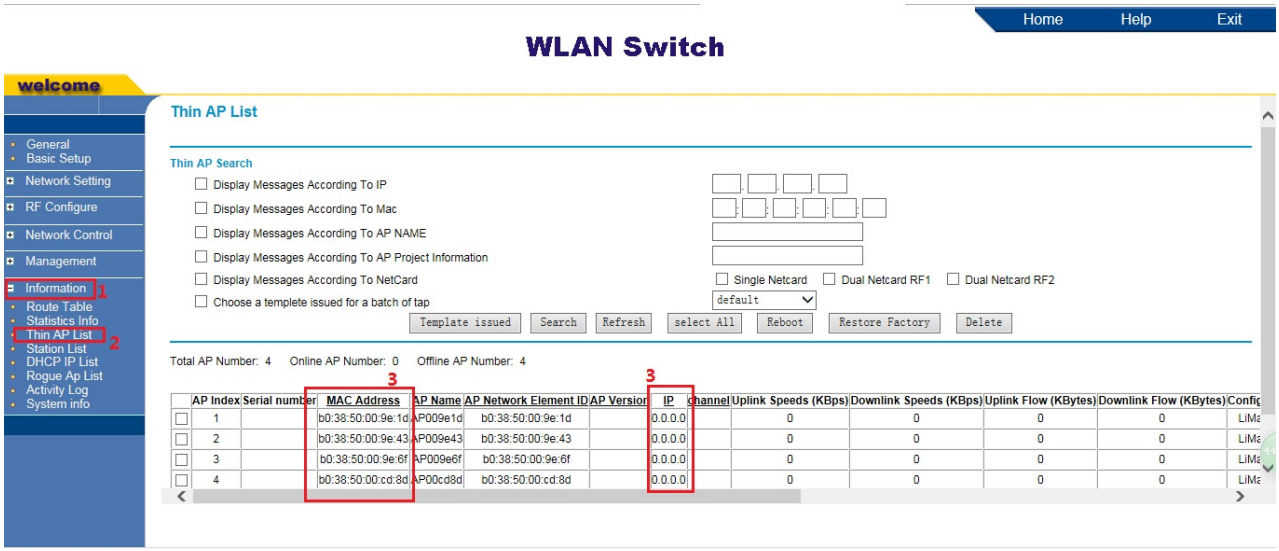
4.2 Choose Network setting DHCP.



In the DHCP page, choose the DHCP open, the start IP and end IP defines the IP pool address of AC to be given the APs for usage. Make the configuration as per different network environment.



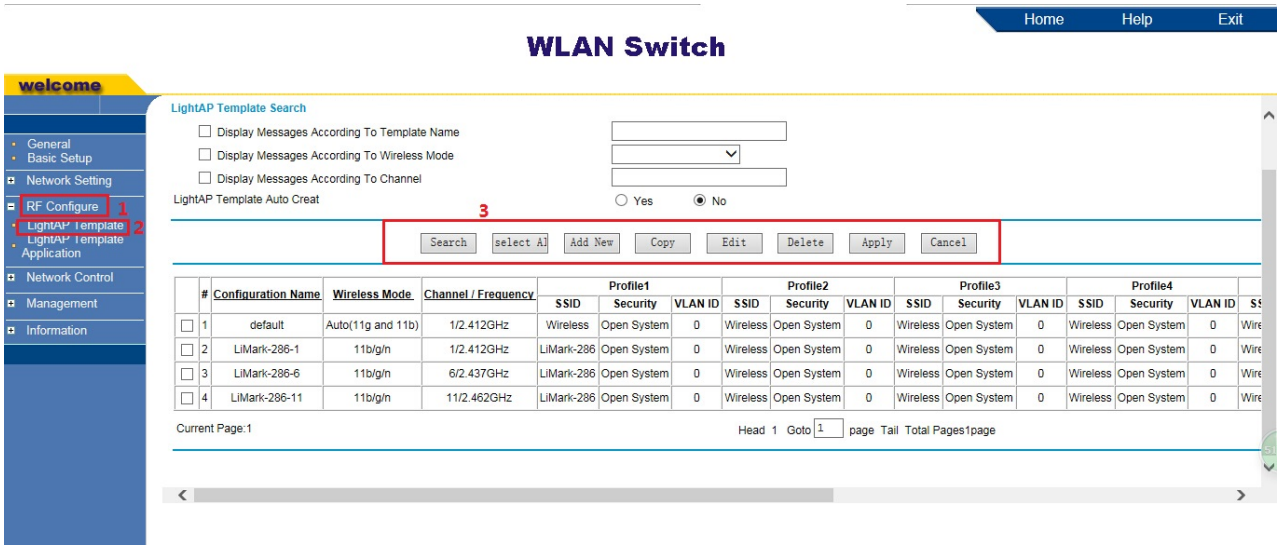
4.3 Open the Information column--Thin AP list: You can see the AP online status, including the MAC address, Ip address given to the APs by the AC.



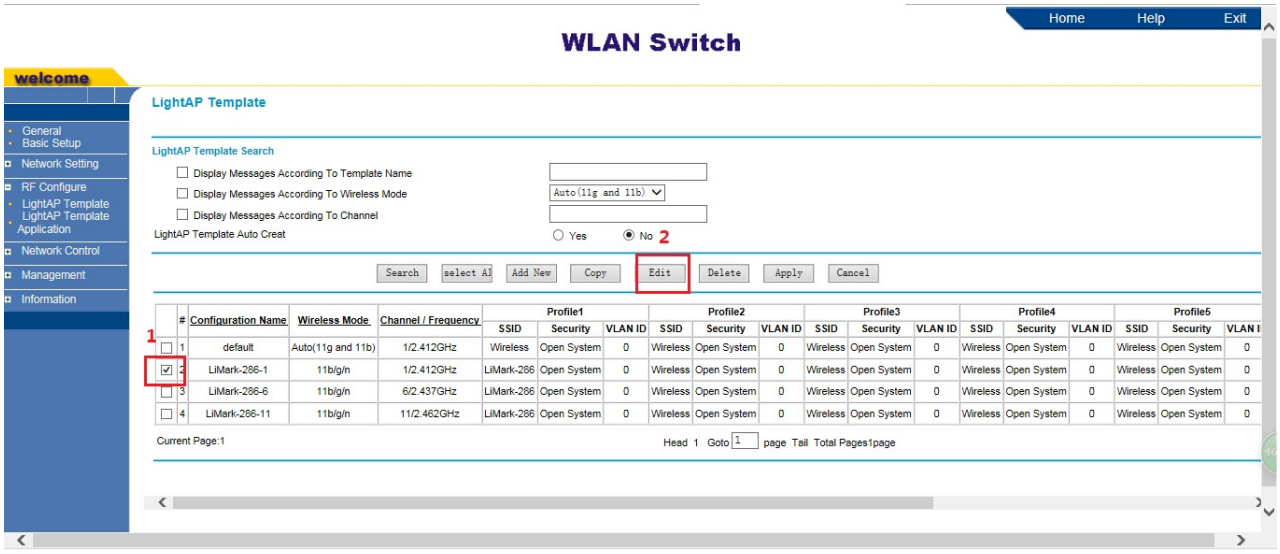
4.4 Choose RF configure column--light AP templates.

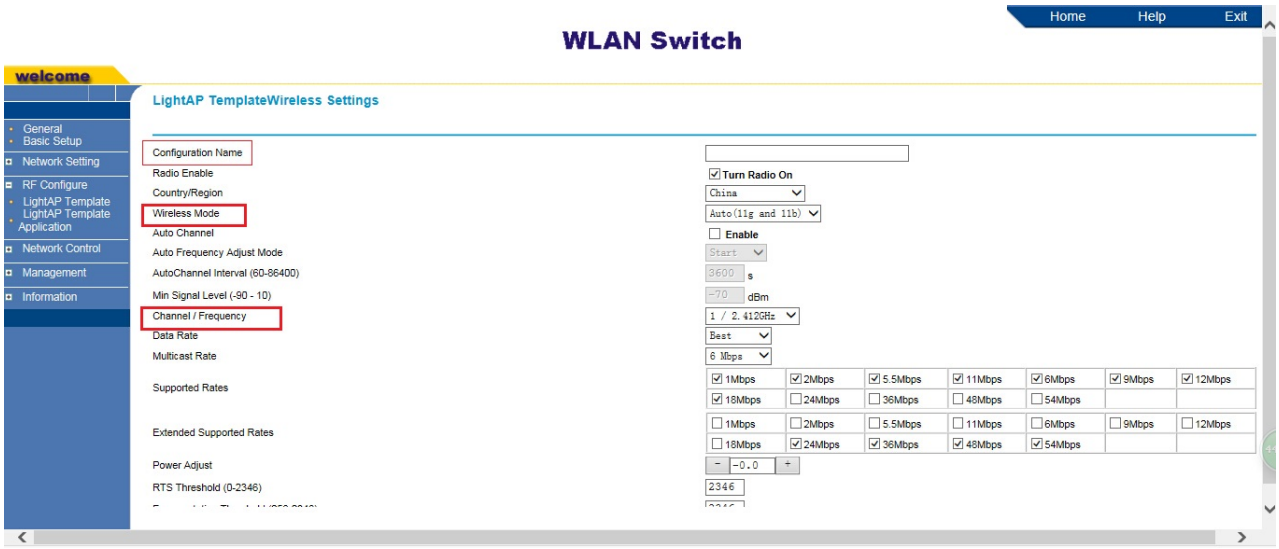
Note: In this instance, the templates has already been set here, we set three templates named as LiMark-286-1, LiMark-286-6 and LiMark-286-11，the RF channel are 1、6、11.

We have set the basic templates before sending to your side, if the templates is Ok, just choose and apply; if it is not Ok, you can follow the steps of 4.4-4.7 to do the templates setting by yourself.



4.5 Choose Add NEW, then input template name, wireless mode and RF channel and other information. You can make the setting as per your request.

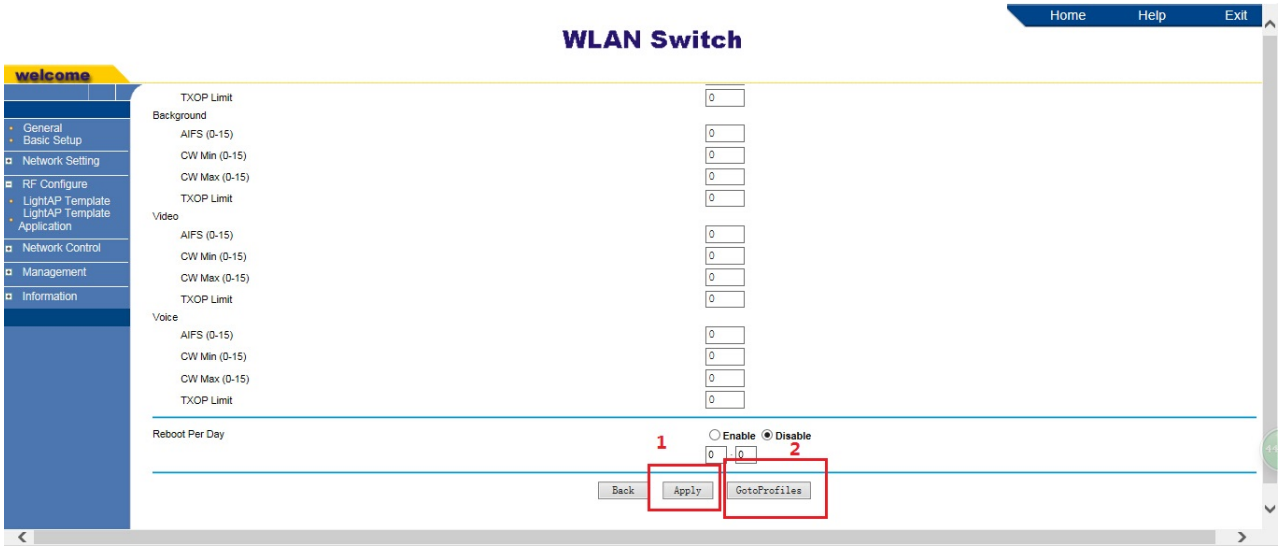




4.6

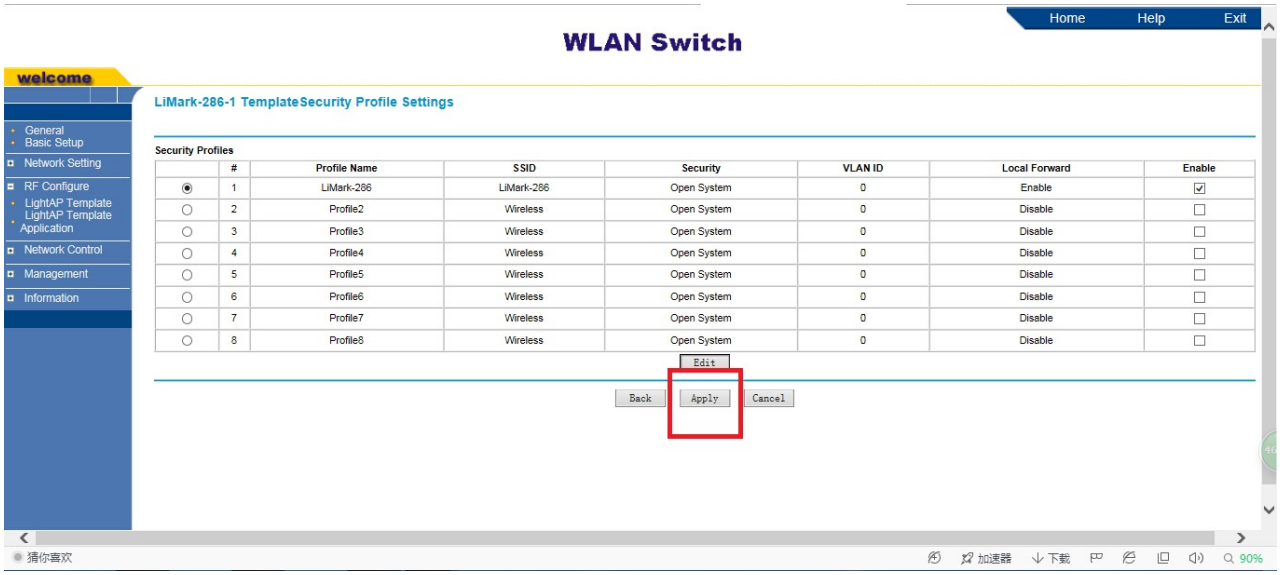
Choose apply, enter the Security Profile setting page.

Note: LIMARK AP supports up to 8 SSID broadcast, in this instance, we only choose one SSID for testing.



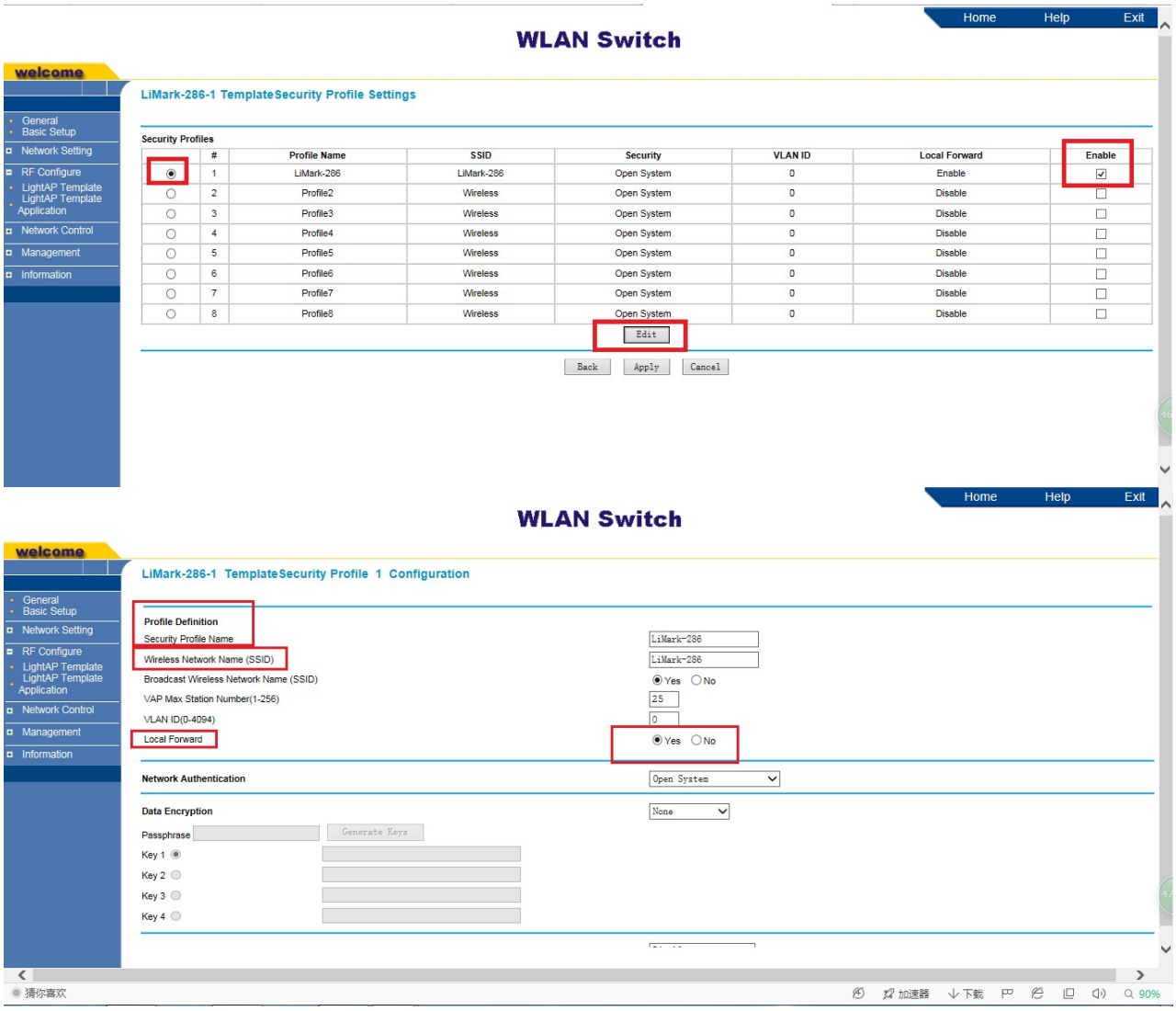
The LIMARK-286 SSID has been set.

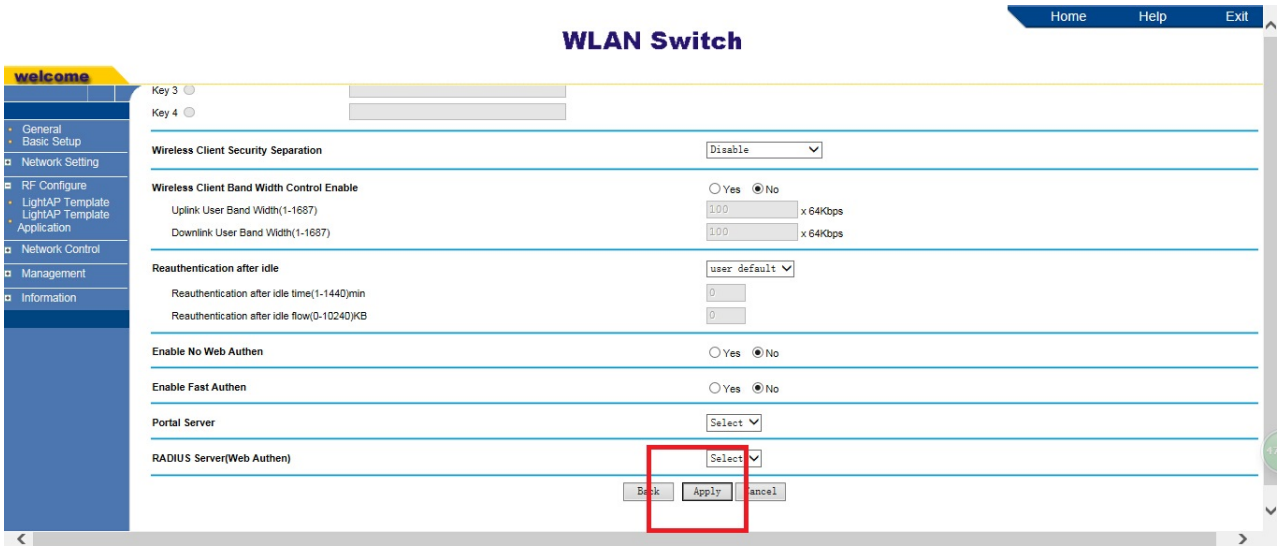
After setting click apply.



Click edit to enter Security profile setting page.

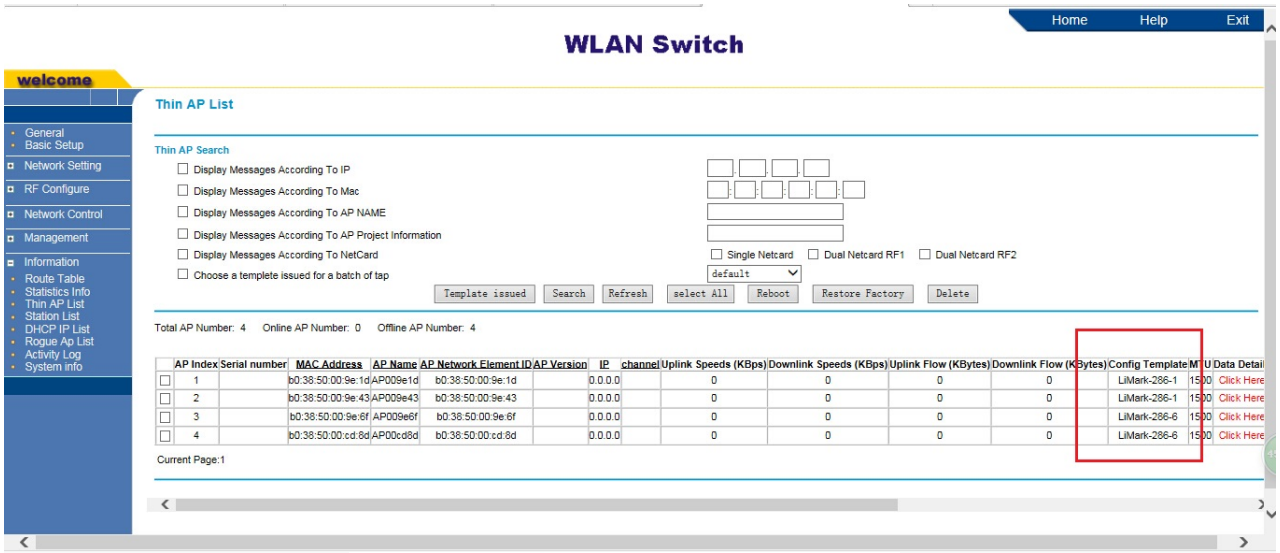
SSID, encryption method can be set, the local forward shall be enabled. Choose Yes for local forward.

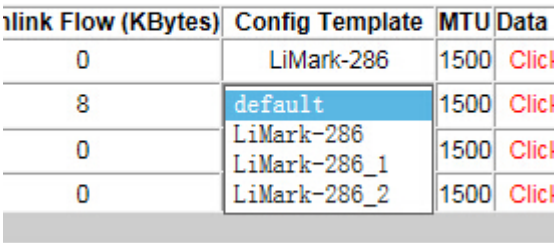




4.7 Apply AP setting templates.

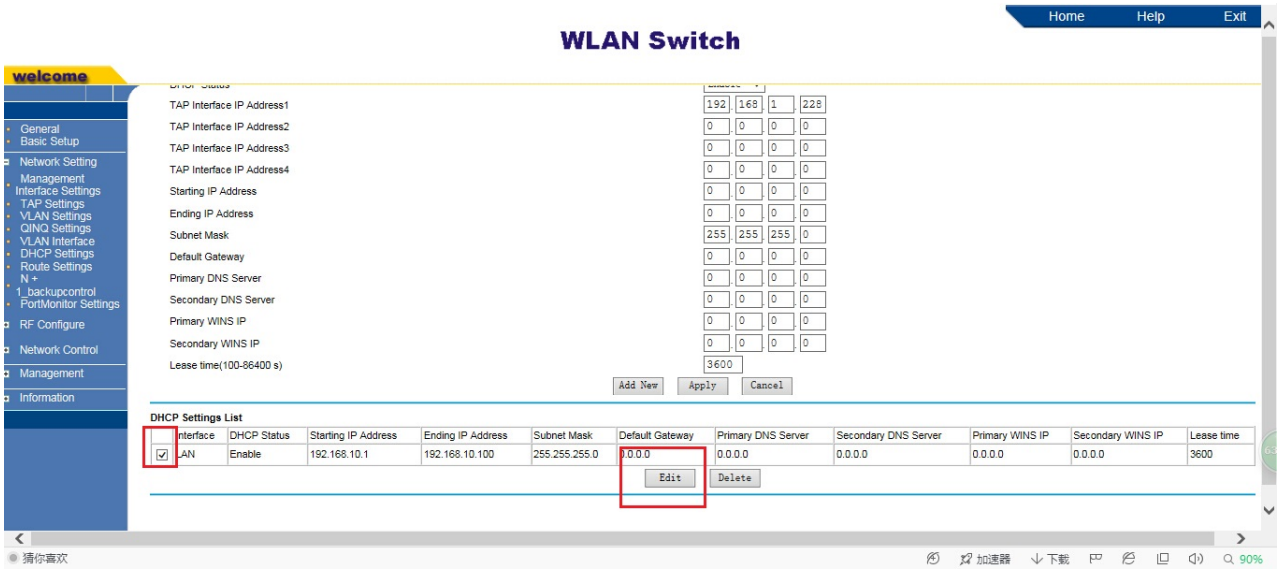
Open INFORMATION--Thin AP online lists, choose template configure, double click on the APs to apply the templates.



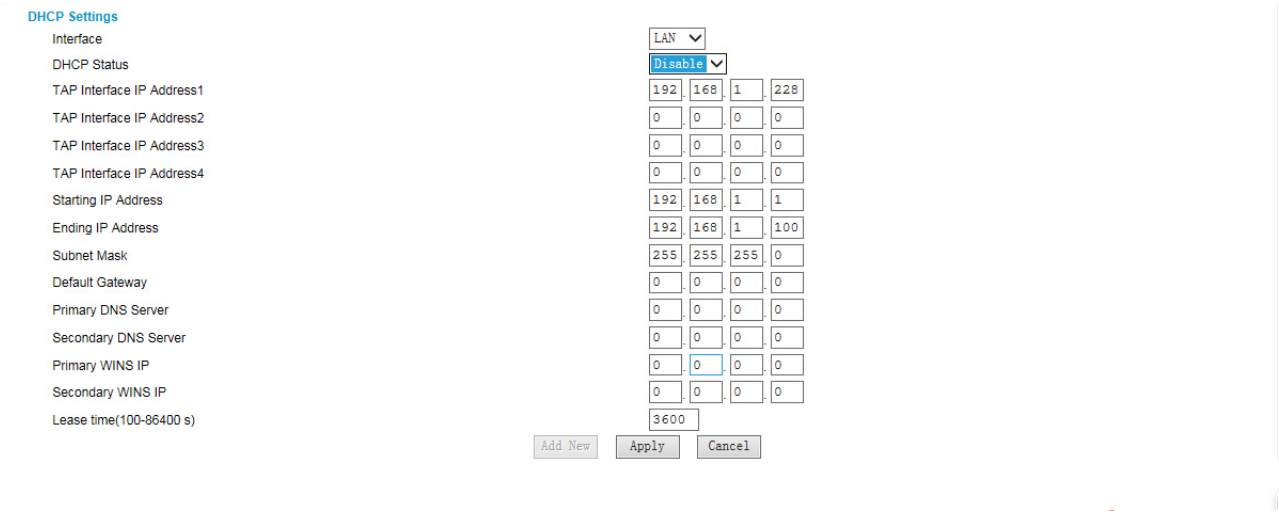


Choose the template.

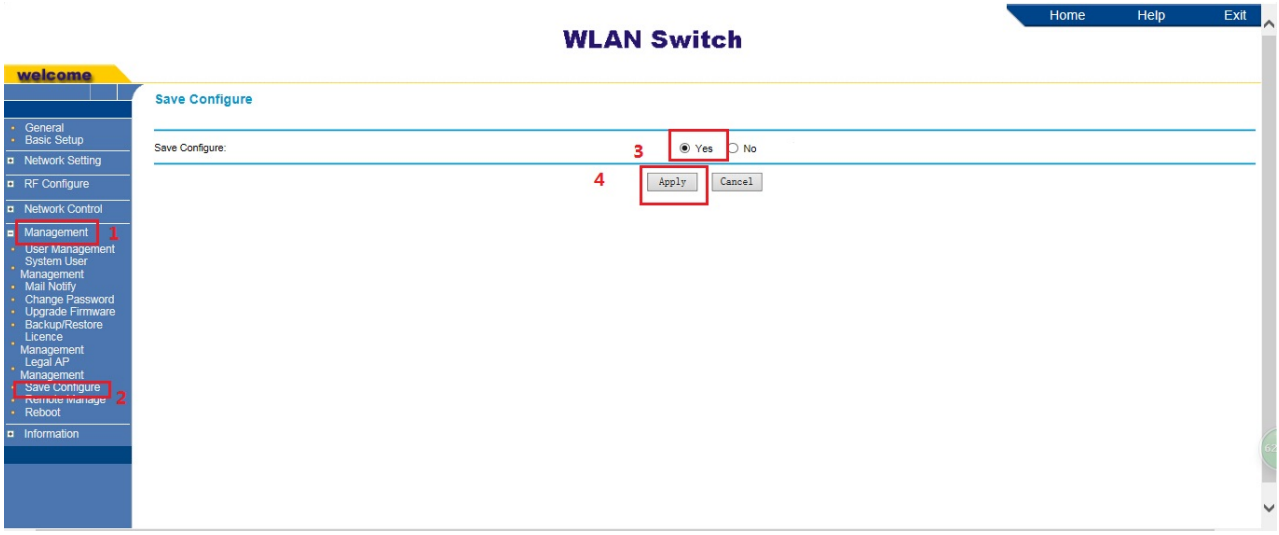
4.8 Choose Network configure--DHCP, choose EDIT in the DHCP configure lists.



Choose the DHCP status of AP to be DISABLE, click APPLY.



4.9 Choose Management-Save Configure--Yes-Apply.



5. Congratulations You Have Finished The AP Configuration! Enjoy the WIFI That LIMARK AP Provides!

FCC Caution.

§ 15.19 Labelling requirements.
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

§ 15.21 Information to user.
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.
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.
RF warning for Mobile device:
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.

CE2200