RAK475 Use Guidance
Configuring the Router via Web

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1. Configuring the Router via Web

1.1 Overview

This section describes how to configure the module to a specified router via web in AP Mode.

1.2 Operating instructions

Tips:

1. This demo is done on the RAK475 development board.
2. The module in this demo is under factory settings.

Please keep in mind the abovementioned points, for they will not be mentioned later.

1.3 Steps

1. When you power on the module in Factory Mode, it will set up an open AP network named **RAK475_AP_XXXXXX** (xxxxxx is the last six digits of the MAC address of the module). The IP address of the AP is **192.168.7.1** and its **DHCP Server** function is enabled by default (factory parameters can be modified). After the **Status indicator** lights up, turn on the computer's wireless network, and **RAK475_AP_XXXXXX** can be found in the list of wireless networks, as shown in Figure 1-1:
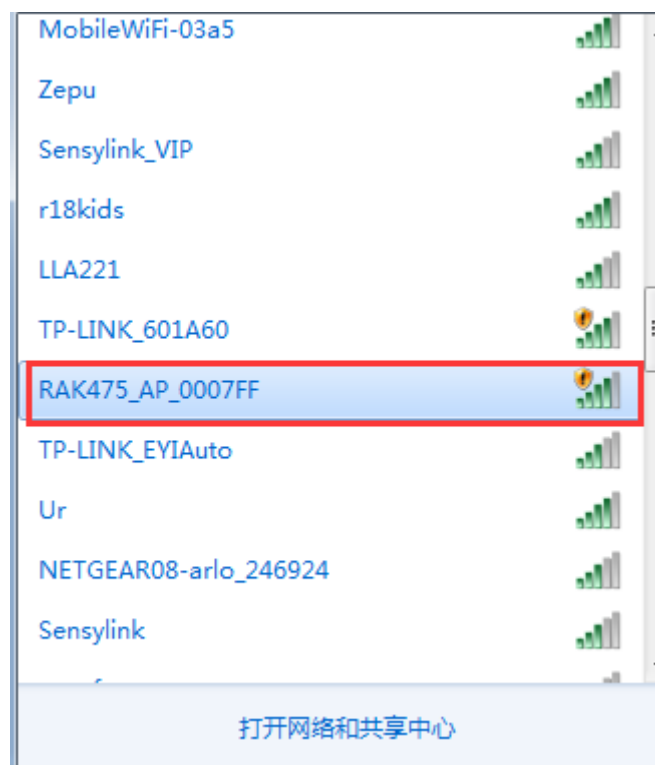

Figure 1-1 Factory AP Scanning

2. Double click to join this network (the **Link indicator** will light up). Once its IP address is successfully assigned, open the browser and enter the module's gateway address **192.168.7.1**. In the pop-up authentication

window, enter the default **username: admin** and **password: admin**. As shown in Figure 1-2:
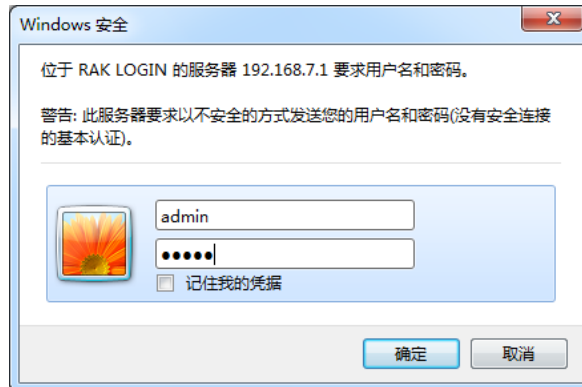

Figure 1-2 WEB Authentication

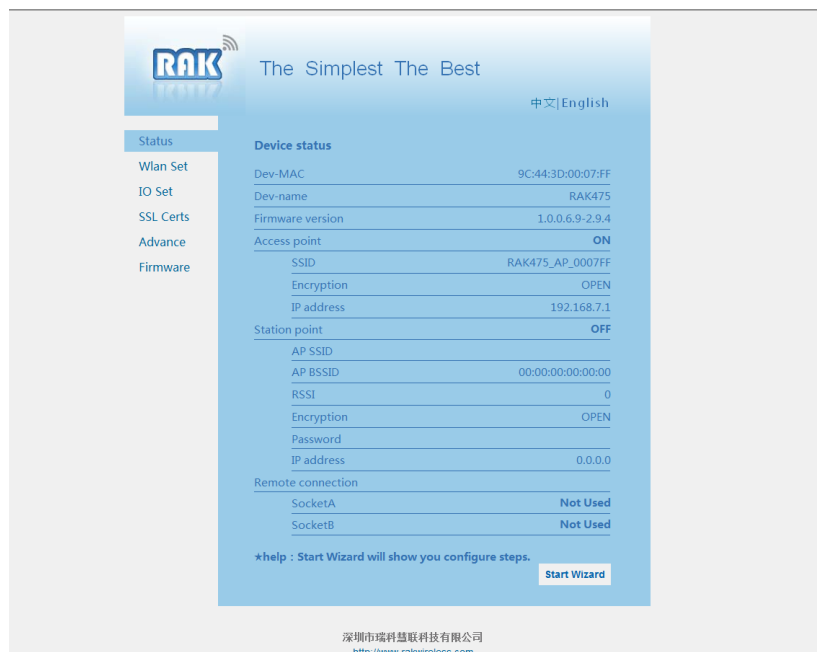3. Click **OK** to enter the **WEB Server** configuration page.

Figure 1-3 WEB Server Configuration Page

4. Follow these steps on the **Wlan Set** page:
1) **Work mode:** set to **STA Mode**;
2) **Router SSID:** click the **add new** button to see the list of wireless networks nearby, select the network you want to connect to and click **Confirm**, as shown in Figure 1-5. We select **RAK_2.4GHz** here;
3) **Encryption**: select **Encrypt** if the router has a password, indicating the network is encrypted; select **OPEN** if no password is required for the router, indicating the network is not encrypted;
4) **Router password**: enter the password for the router if it is encrypted;
5) **Network model**: set to use **DHCP** or **Static** IP address here;
6) Click the **Save** button to save your settings.

Note: Because the configuration is not finished yet, do not cut the power off or reset the module at this moment.
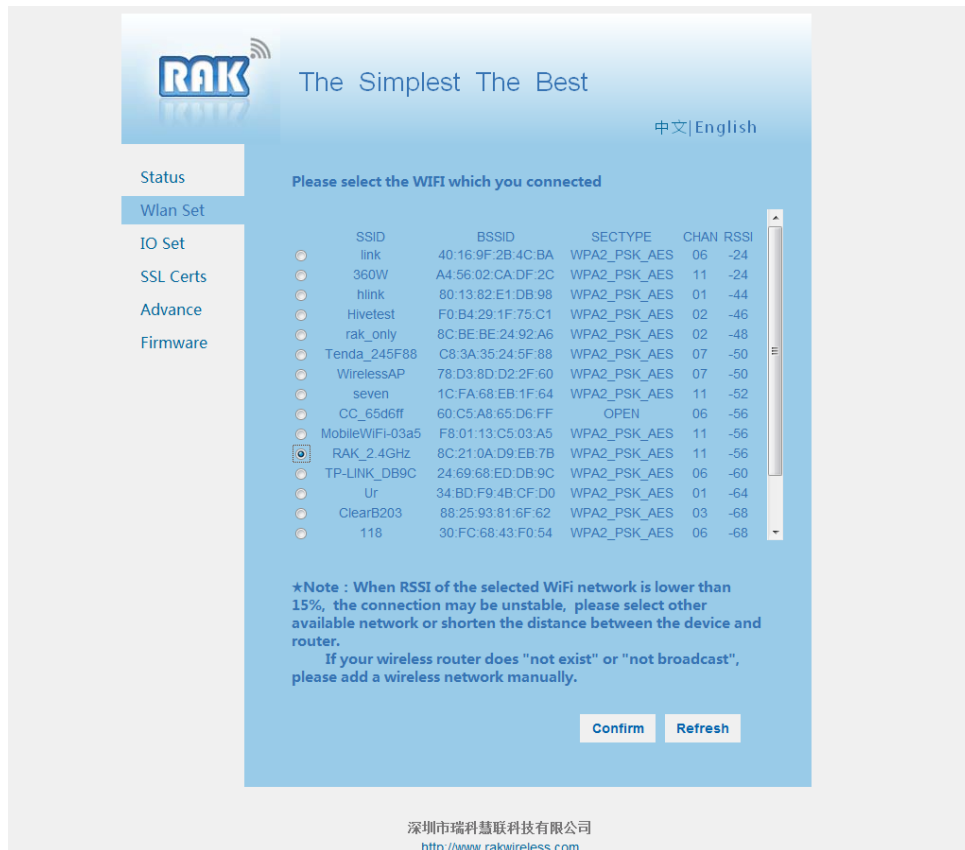

Figure 1-4 Wlan Set Page
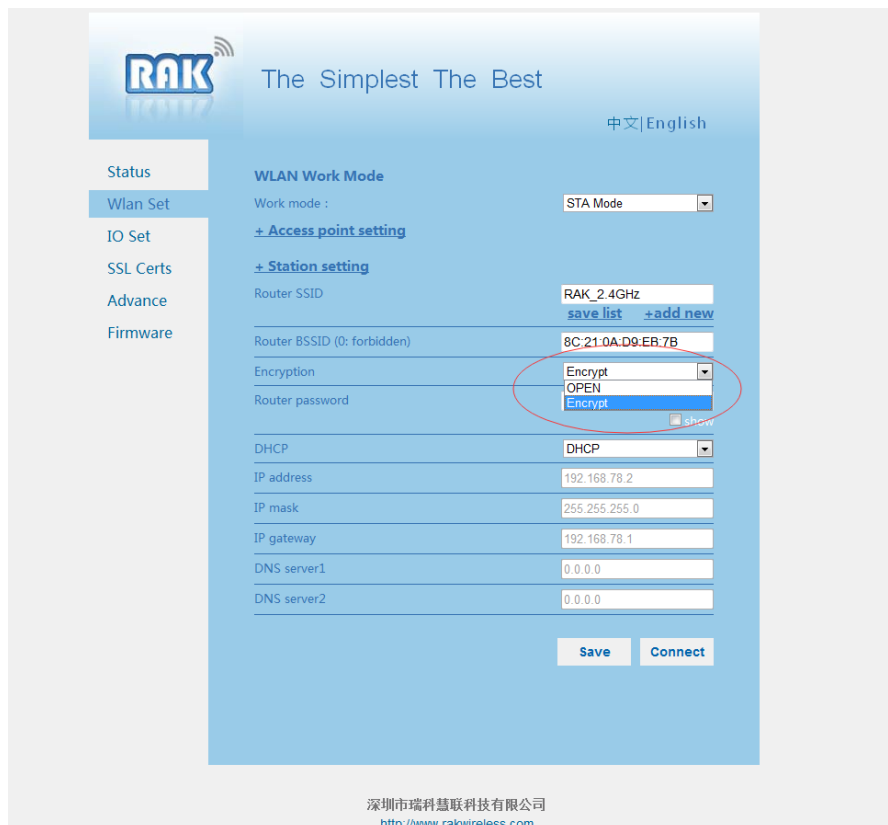
Figure 1-5 List of Wireless Networks

Figure 1-6 Select Encryption Mode

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5. You will see the screen shown in Figure 1-7 after clicking the **Save** button. Click **Reset** and you will see a message telling you that the reset was successful, as shown in Figure 1-8:
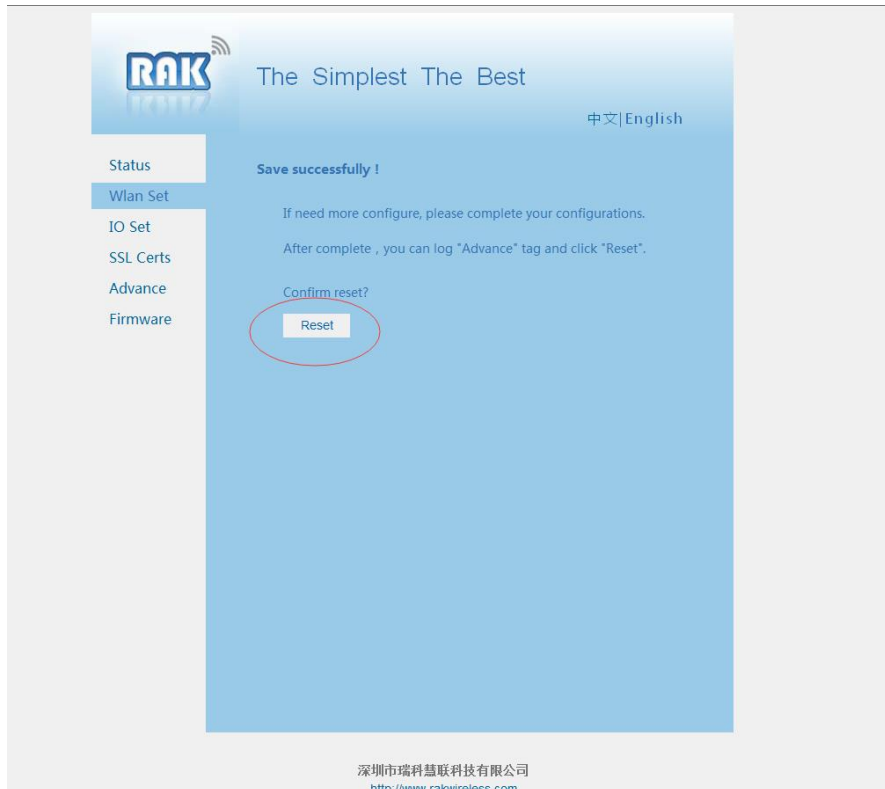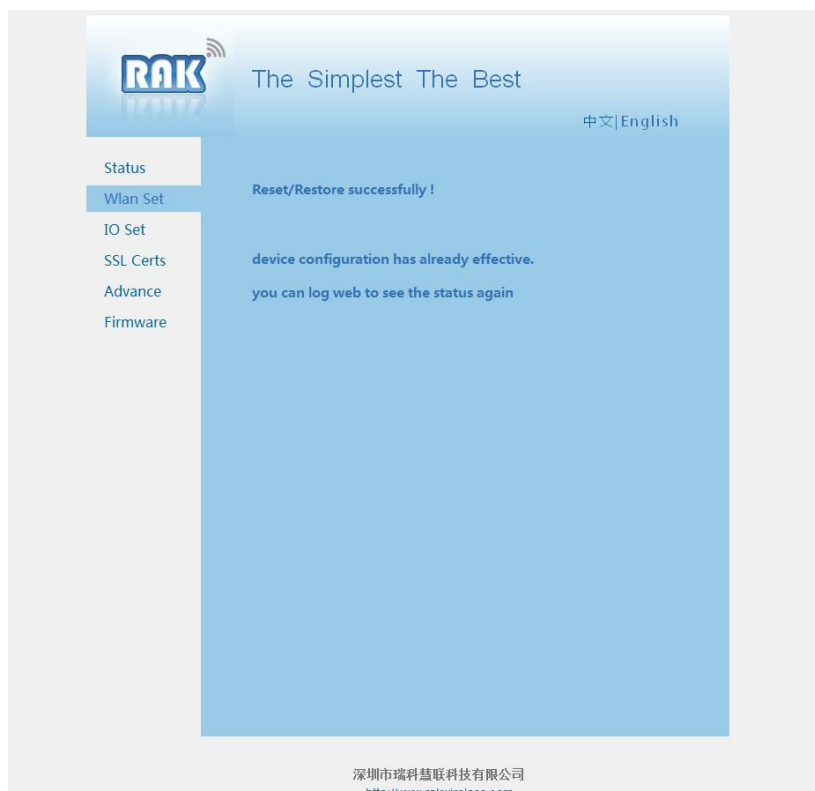

Figure 1-7

Figure 1-8

6. When the **Link indicator** light stays solid, the module has been configured to the specified router.

Version

Version	Author	Date	Content modification
V1.0	Wenyong Tang	2016/12/05	Create a document