

SKW75 EVB User Manual

Introduction

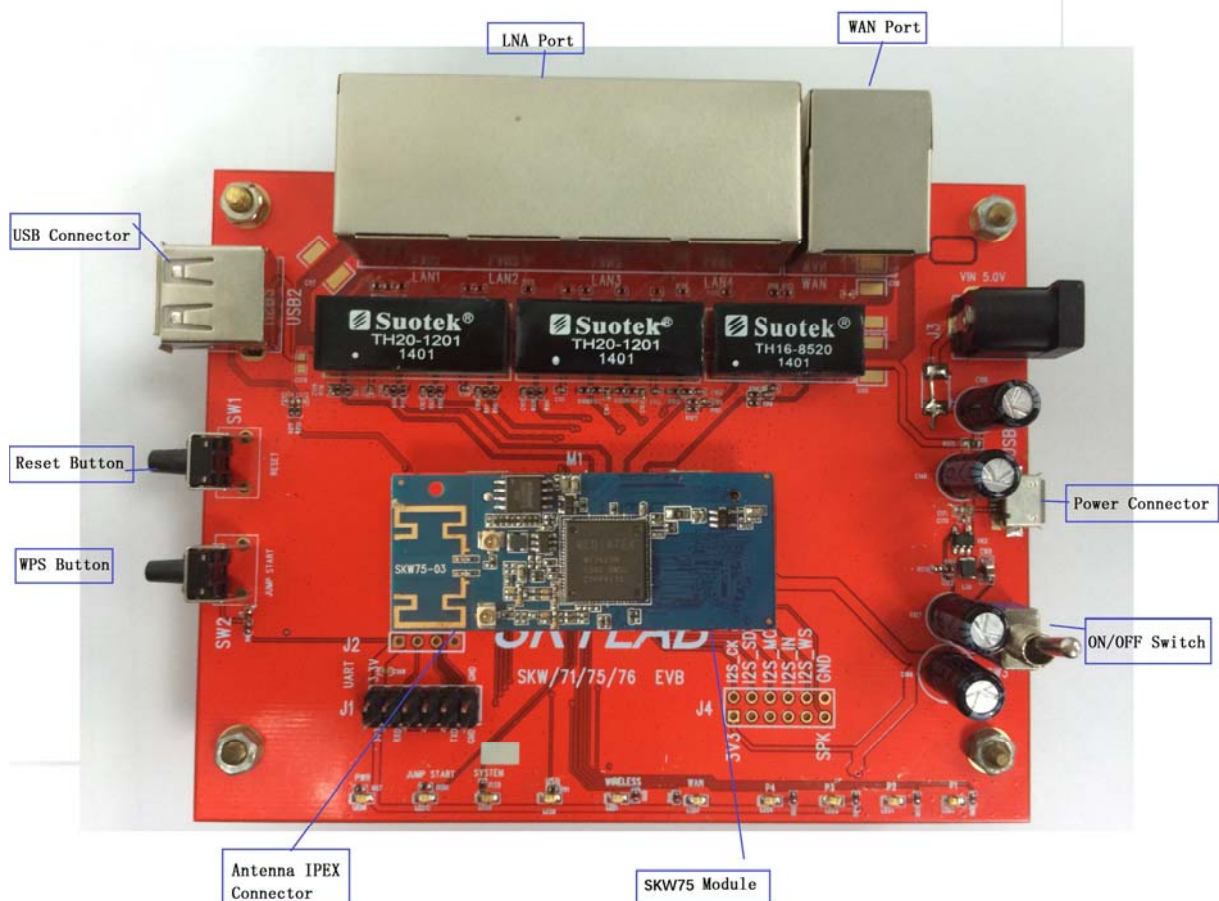
The SKW75 EVB offers a quick and easy way to evaluate the SKW75 module and the SKW75 is a 802.11n/ b/g WIFI router module.

The Evaluation Kit is including the following items:

1. One SKW75 module.
2. One SKW75 EVB.
3. One DC adaptor with micro USB connector cable.
4. Two WIFI antenna.
5. This Manual.

EVB Details

This section describes the various interfaces and switch settings for the SKW75-EVB board.



EVB Hardware Installation

Step 1: Insert the module to the EVK board.

Step 2: Connect the another LAN port into PC`s RJ45 port.

Step 3: Connect the WIFI antenna.

Step 4: Insert the DC adaptor into the power-supply connector.

Note: The DC adaptor output: 5V ± 10% /1A

1. Logging in to the Module Web

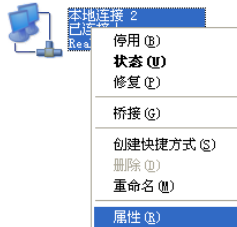
1) Connected SKW75 LAN port and PC`s RJ45 port;

2) Setup IP address:

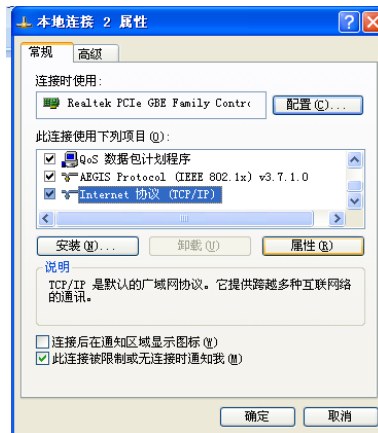
Step 1: Right-click the “local connection. This pic is chinese version.



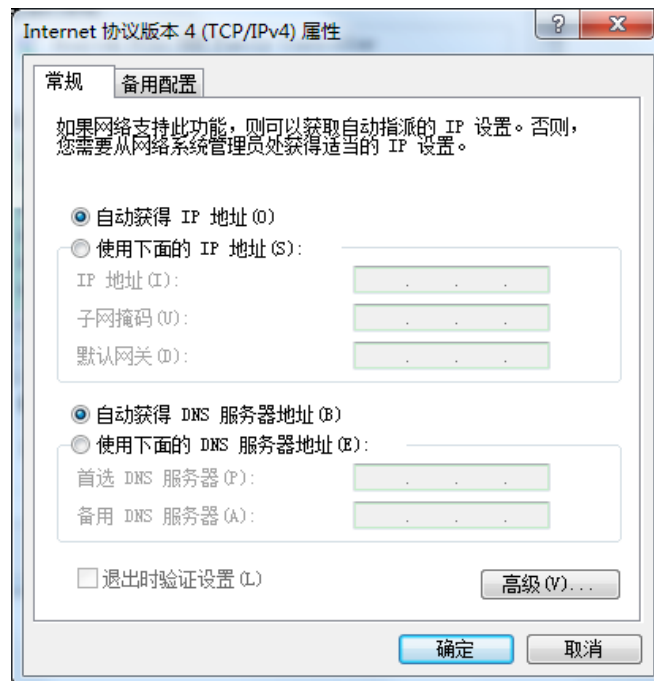
Step 2: Click “attribute”



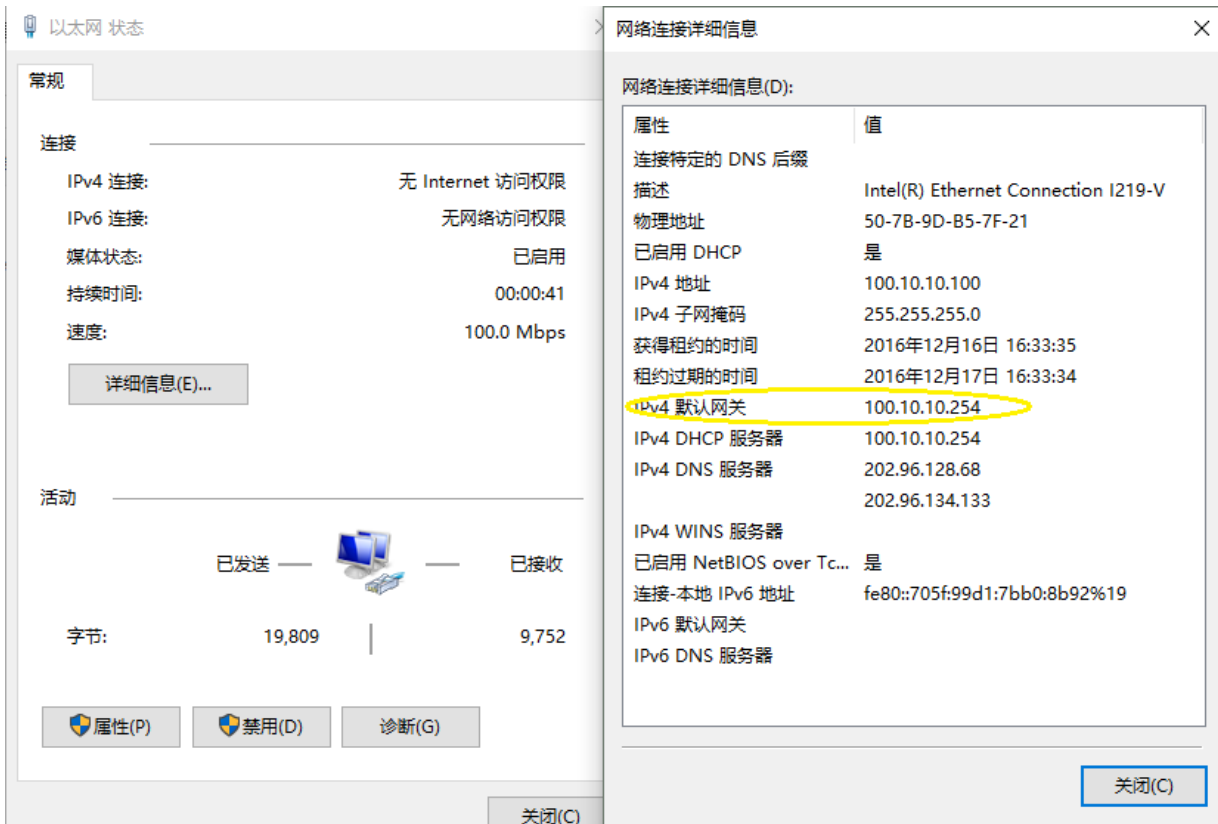
Step 3: Click “internet protocol(TCP/IP)”



Step 4: IP address set as gain automatically;



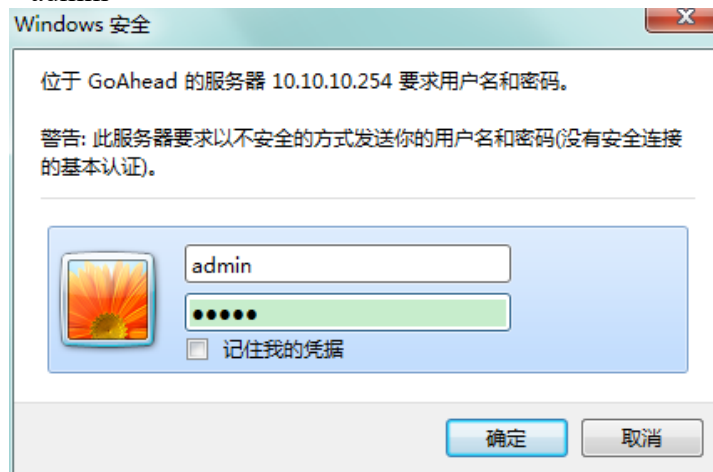
3) Check IP address according to the yellow tag in the pic.



4) Web browser address: "http://10.10.10.254"

http://10.10.10.254/

5) User account: admin
Password: admin

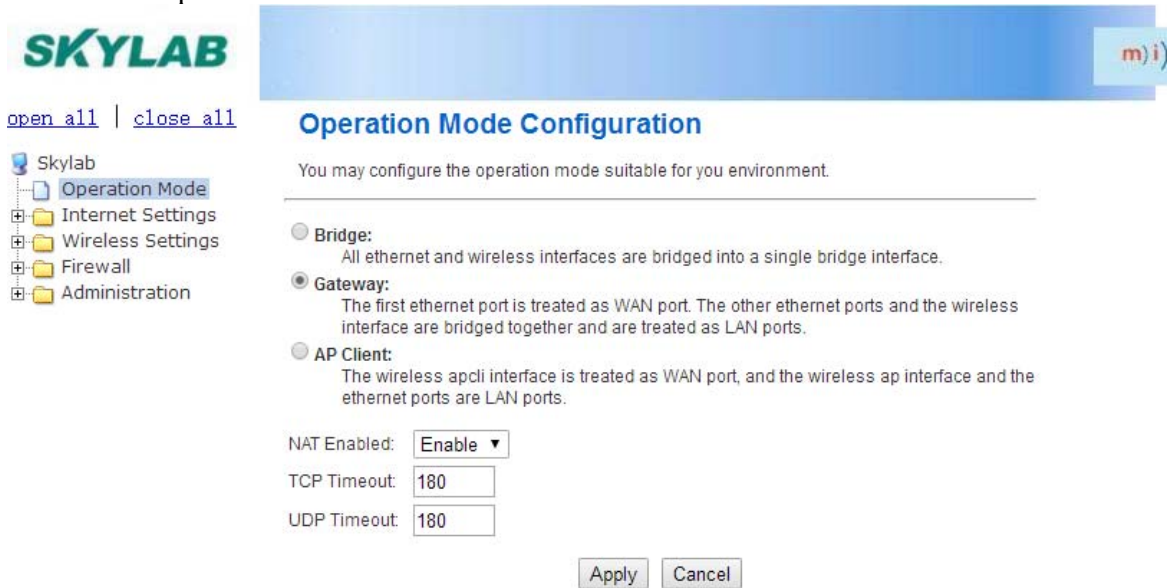


2. Setup “Setup Guide”

a. Choose the language:



b. Choose Operation Mode:

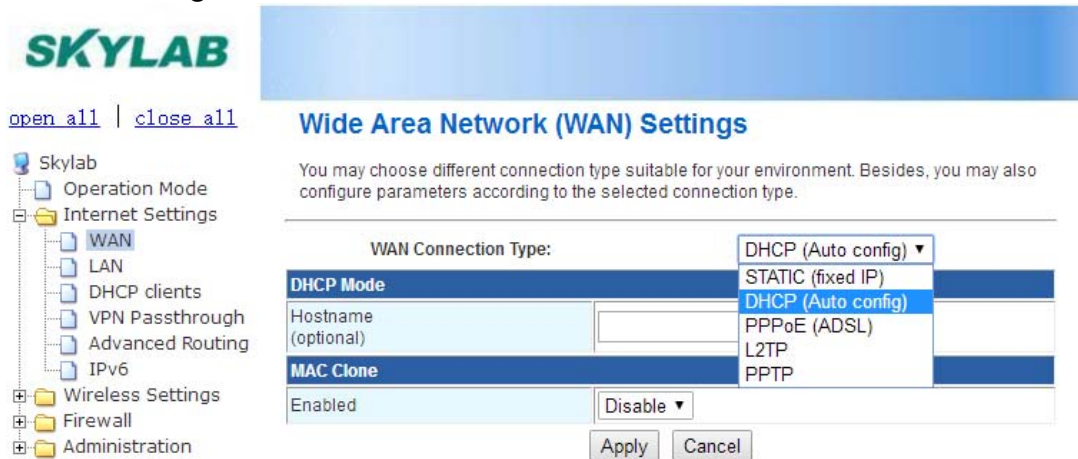


Three Operation Mode:

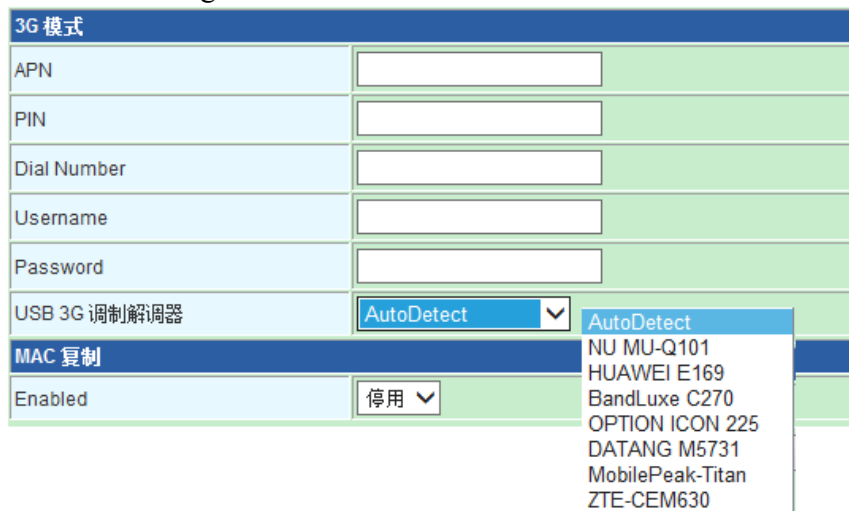
- 1) Gateway
- 2) AP Client
- 3) Bridge

一. Setup “Gateway mode”

- A. Choose Gateway in the mode setting;
- B. Network setting as “WAN”;



- C. There are ADSL、L2TP、PPTP、3G these ways to connect to WAN in “WAN connected mode”, The following is 3G mode;



D. Wireless net setting

open all | close all

- Skylab
 - Operation Mode
 - Internet Settings
 - WAN
 - LAN
 - DHCP clients
 - VPN Passthrough
 - Advanced Routing
 - IPv6
 - Wireless Settings
 - Basic
 - Advanced
 - Security
 - WPS
 - Station List
 - Statistics
 - Firewall
 - Administration

Wireless Network	
Driver Version	4.1.0.0
Radio On/Off	RADIO OFF
WiFi On/Off	WiFi OFF
Network Mode	11b/g/n mixed mode ▾
Network Name(SSID)	MT7628_AP Hidden <input type="checkbox"/> Isolated <input type="checkbox"/>
Broadcast Network Name (SSID)	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
AP Isolation	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
BSSID	28:A1:EB:FD:9B:2E
Frequency (Channel)	AutoSelect ▾
HT Physical Mode	
Operating Mode	<input checked="" type="radio"/> Mixed Mode <input type="radio"/> Green Field
Channel BandWidth	<input type="radio"/> 20 <input checked="" type="radio"/> 20/40
Guard Interval	<input type="radio"/> Long <input checked="" type="radio"/> Auto
MCS	Auto ▾

二. Setup “AP Client mode”



Operation Mode Configuration

You may configure the operation mode suitable for you environment.

- Bridge:**
All ethernet and wireless interfaces are bridged into a single bridge interface.
- Gateway:**
The first ethernet port is treated as WAN port. The other ethernet ports and the wireless interface are bridged together and are treated as LAN ports.
- AP Client:**
The wireless apcli interface is treated as WAN port, and the wireless ap interface and the ethernet ports are LAN ports.

NAT Enabled: ▾

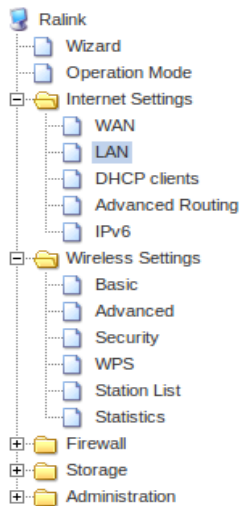
TCP Timeout:

UDP Timeout:

A. First setting IP of AP router and SKW75:

Outer default AP router IP address is 192.1681.1.1;
SKW75 use the own IP address, 192.168.2.254;

[open all](#) | [close all](#)

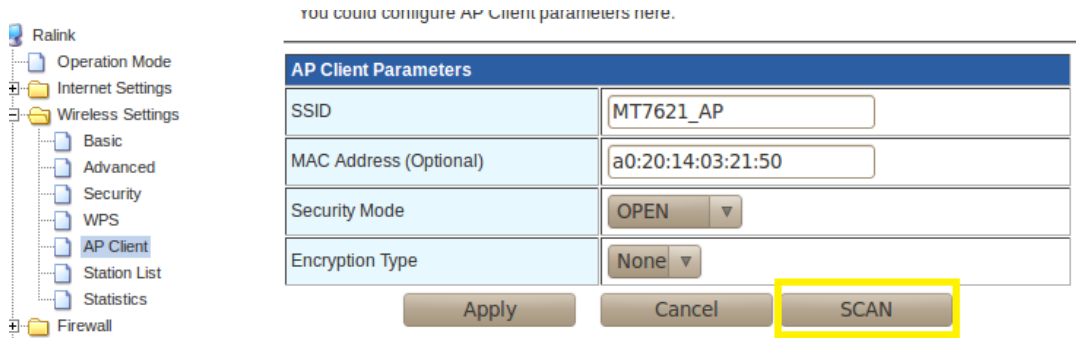


Local Area Network (LAN) Settings

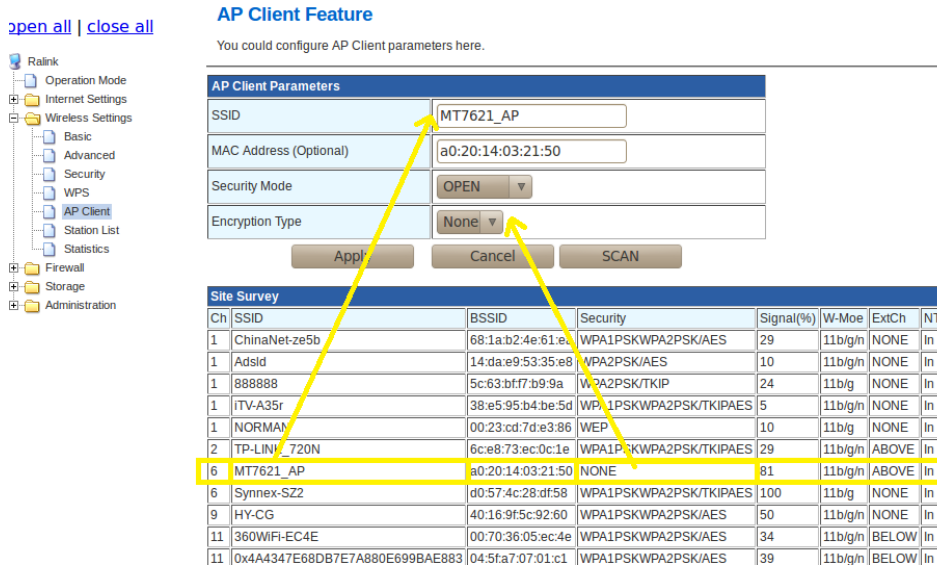
You may enable/disable networking functions and configure their parameters as your wish.

LAN Setup	
Hostname	<input type="text" value="ralink"/>
IP Address	<input type="text" value="192.168.2.254"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
LAN 2	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
LAN2 IP Address	<input type="text"/>
LAN2 Subnet Mask	<input type="text"/>
MAC Address	<input type="text" value="00:0C:43:30:50:58"/>
DHCP Type	<input type="button" value="Server"/> ▾
Start IP Address	<input type="text" value="192.168.2.100"/>
End IP Address	<input type="text" value="192.168.2.200"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
Primary DNS Server	<input type="text" value="168.95.1.1"/>
Secondary DNS Server	<input type="text" value="8.8.8.8"/>
Default Gateway	<input type="text" value="192.168.2.254"/>

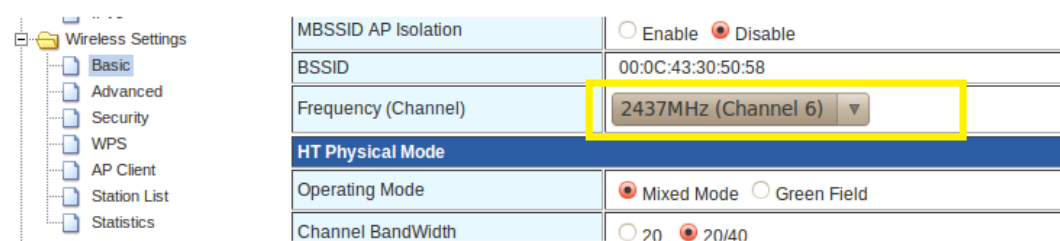
B. Click “AP Client” → “Scan” :



C. Select AP, click “Apply” :



D. Modify the wireless channel, make it the same as the channel of the AP:



Note: AP Router and AP client set to the same channel.