

Introduction:

The RTL8186 Auto Discovery provides a feature allows user to find the RTL8186 devices (AP/Gateway/Client) on the networks automatically on matter what's IP address is set between PC host and target RTL8186. After found, you could modify the IP address of RTL8186 to the same subnet with PC host, thus you may connect to RTL8186 webs server for more detail configuration.

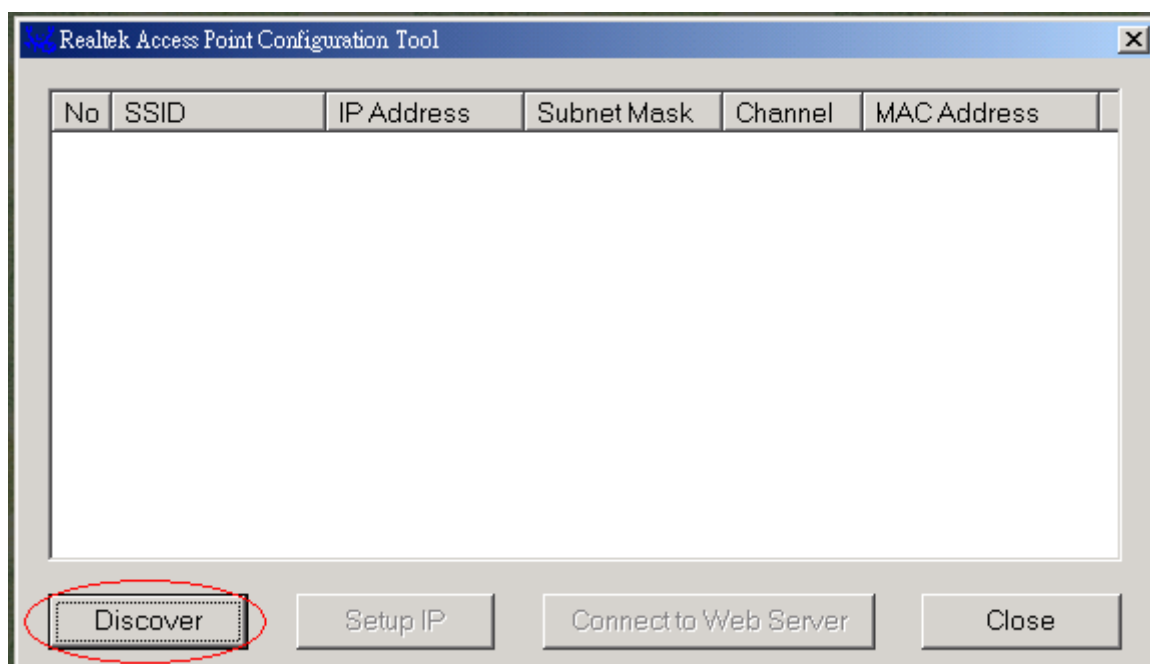
Target Setup:

Only Realtek turnkey image v1.6 (or later) have this feature supported. To use this feature, you should enable auto-discovery daemon running in the RTL8186 platform first. There is a flash parameter called as "AUTODISCOVERY_ENABLED" to determine whether the daemon is enabled or not when system is boot up.

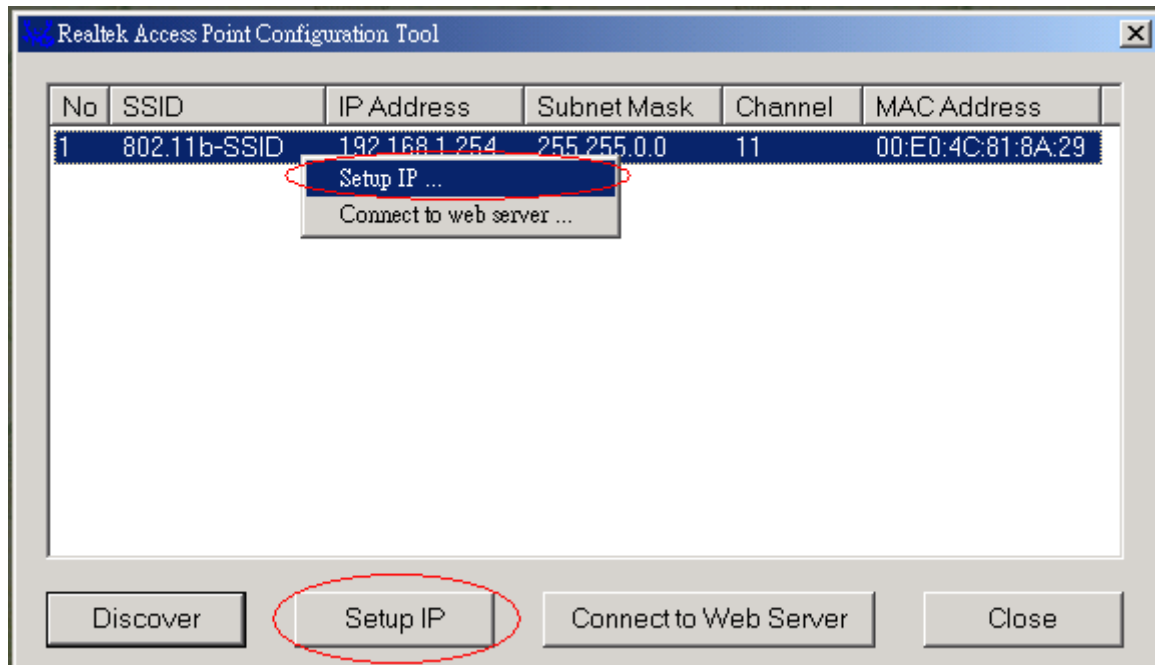
You may edit configure file (e.g., config-ap.txt) in CMK to enable it, or you may type "flash set AUTODISCOVERY_ENABLE 1" under Linux console to enable this feature manually (Please note, if you modify the flash value through console, you should reboot the target to make the change effectively).

Host Setup and Run:

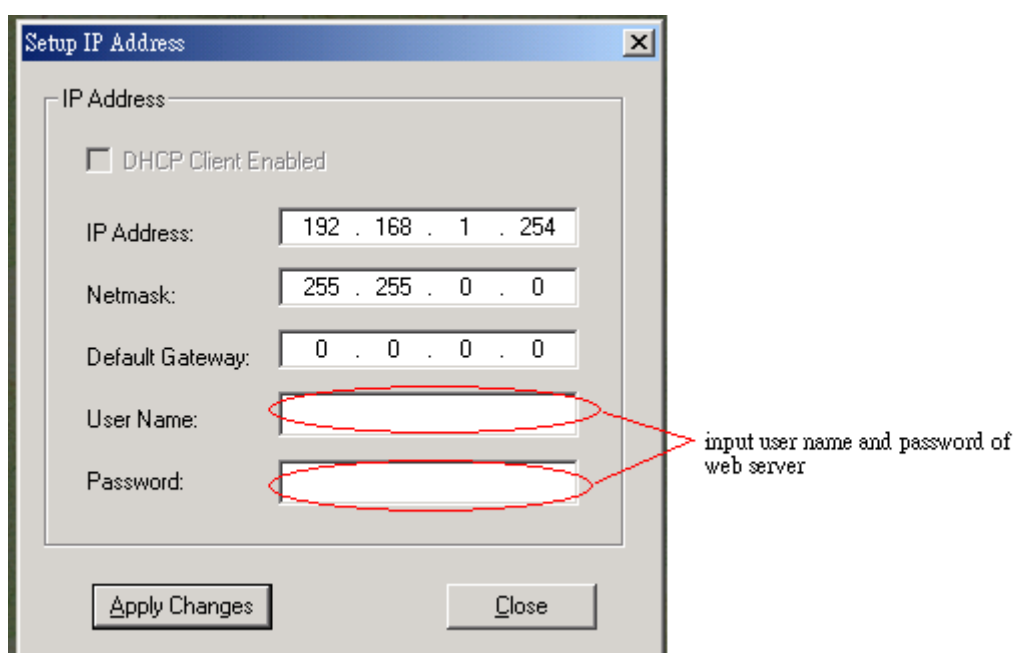
1. You should have a PC (desktop or notebook) running under Windows 98SE, Windows ME, 2000 or XP, and the PC must have a network interface (Ethernet or 802.11b) attached. Then, connect the PC network interface to the LAN port of RTL8186.
2. Start Auto Discovery client (RTLAPConf.exe) on the Windows environment, and you may the see a windows shown as the following figure. Click "Discover" button, it will begin to search the RTL8186 device on the network, and display the information of found device on the table.



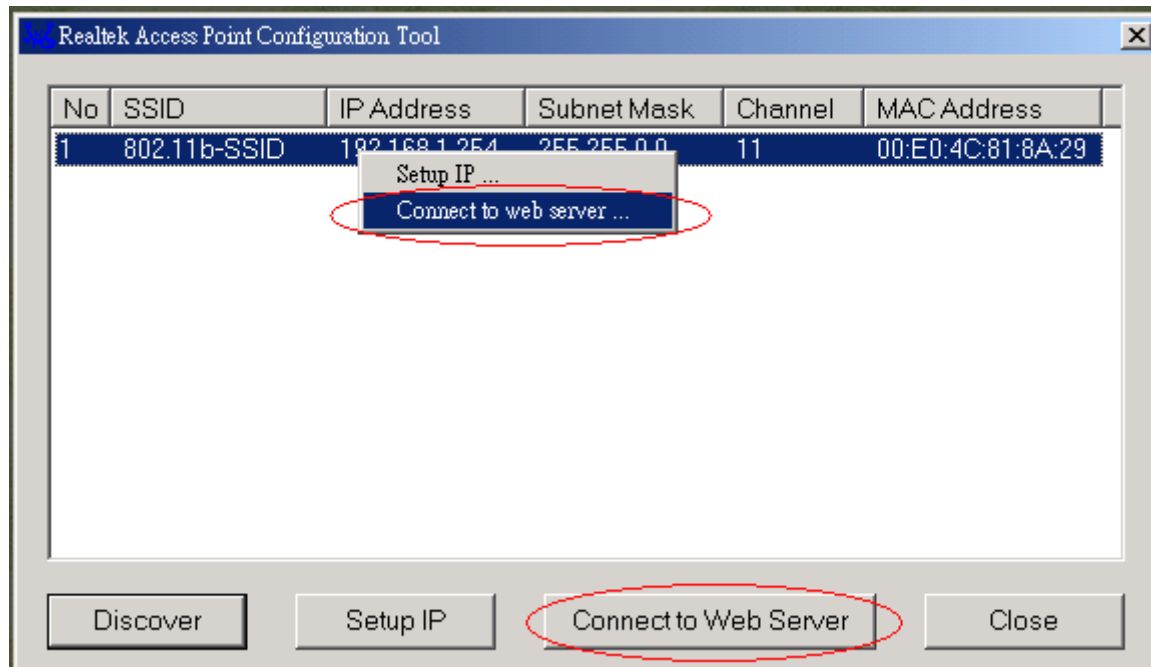
3. Select the device you want to configure on the list table, then you may click the “Setup IP” button or press right-button of mouse and choose the “Setup IP” item as shown below.



After “Setup IP” is selected, you may see a dialog popup shown below to allow you modify the target IP address, subnet mask and default gateway. Besides, you have to input the user name and password, which values will the same as used in login of web server. If the web server do not have password protection, you could empty these fields. Click “Apply Changes” button, it will update the change to the target immediately.



4. To connect web server for detail configuration and information, you may double-clicked the table item, or click “Connect to Web Server” button or press right-button of mouse and select the “Connect to web server” as shown bellow:



Then that, it will launch the default browser with the IP address of selected device automatically.