

Return home

Setup Wizard

Device Status

Wireless

Network

Management

Basic Settings

Virtual AP

Access Control

Advanced Settings

Wireless Basic Settings

Wireless Status

ON

wireless analyzer

SSID

MachPower2.4

Broadcast SSID

☐ Disable
 ☒ Enable

WMM

☐ Disable
 ☒ Enable

Channel

Band Width

20MHz

▼

Channel

* 2.442 GHz (Channel 7)

▼

Authentication

Encryption

WPA2PSK_TKIPAES

▼

Key

12345678

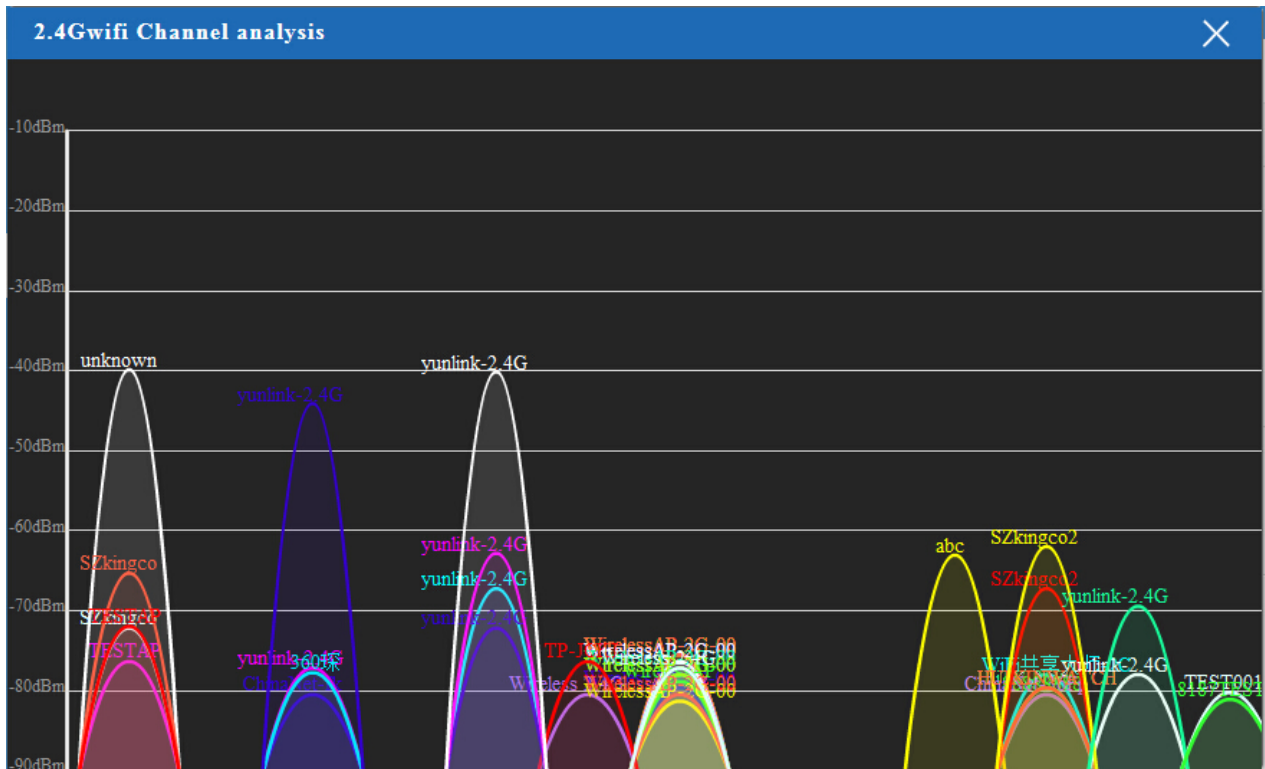
Apply

P31 Basic Setting in Wireless

Wireless Status: On mean SSID on, Off mean SSID off.

2G Wireless Analyzer: Mainly to analyze the AP's signal strength and channel, to make user more easy to choose the channel with less wireless AP, then to avoid the wifi interface.

Band Width: 20MHz and 40MHz; 20MHz mean bandwidth is 144Mbps, but stronger penetration ability. 40MHz mean bandwidth is 300Mbps, but some weaker in penetration ability and less stability when wifi interface strong.



Virtual AP:

There are 3 virtual AP in 2.4G wireless, if need do multi SSID, then users can configure it showed in following picture:

The screenshot shows the 'Advanced Settings' page in WinBox. The left sidebar contains navigation links: 'Return home', 'Setup Wizard', 'Device Status', 'Wireless' (highlighted with a red box), 'Network', and 'Management'. The main content area has tabs for 'Basic Settings', 'Virtual AP' (highlighted with a red box), 'Access Control', and 'Advanced Settings'. Under the 'Virtual AP' tab, there are three sections: 'Virtual AP1', 'Virtual AP2', and 'Virtual AP3'. The 'Virtual AP2' section is expanded and highlighted with a red box, showing the following configuration: 'Wireless Status' is set to 'ON' (a toggle switch); 'SSID' is 'VAP0' in a text field; 'Broadcast SSID' has 'Enable' selected (radio buttons); 'WMM' has 'Enable' selected (radio buttons); and 'Encryption' is 'none' in a dropdown menu. An 'Apply' button is located at the bottom right of the page.

Access Control:

Allow or deny the users access into this wireless AP based on MAC address

The screenshot shows the 'Advanced Settings' interface. On the left sidebar, the 'Wireless' option is highlighted. The main content area has tabs for 'Basic Settings', 'Virtual AP', 'Access Control', and 'Advanced Settings'. The 'Access Control' tab is selected. Below the tabs, there's a 'Wireless Access Control' section. A dropdown menu for 'Access Control' is open, showing four options: 'MAC Access All', 'MAC Access All', 'Allow Listed', and 'Deny Listed'. The 'Apply' button is located to the right of the dropdown.

P34 MAC Access Control

Advanced Settings:

In this page, will show the regional, mode, RF Power, Max user access...

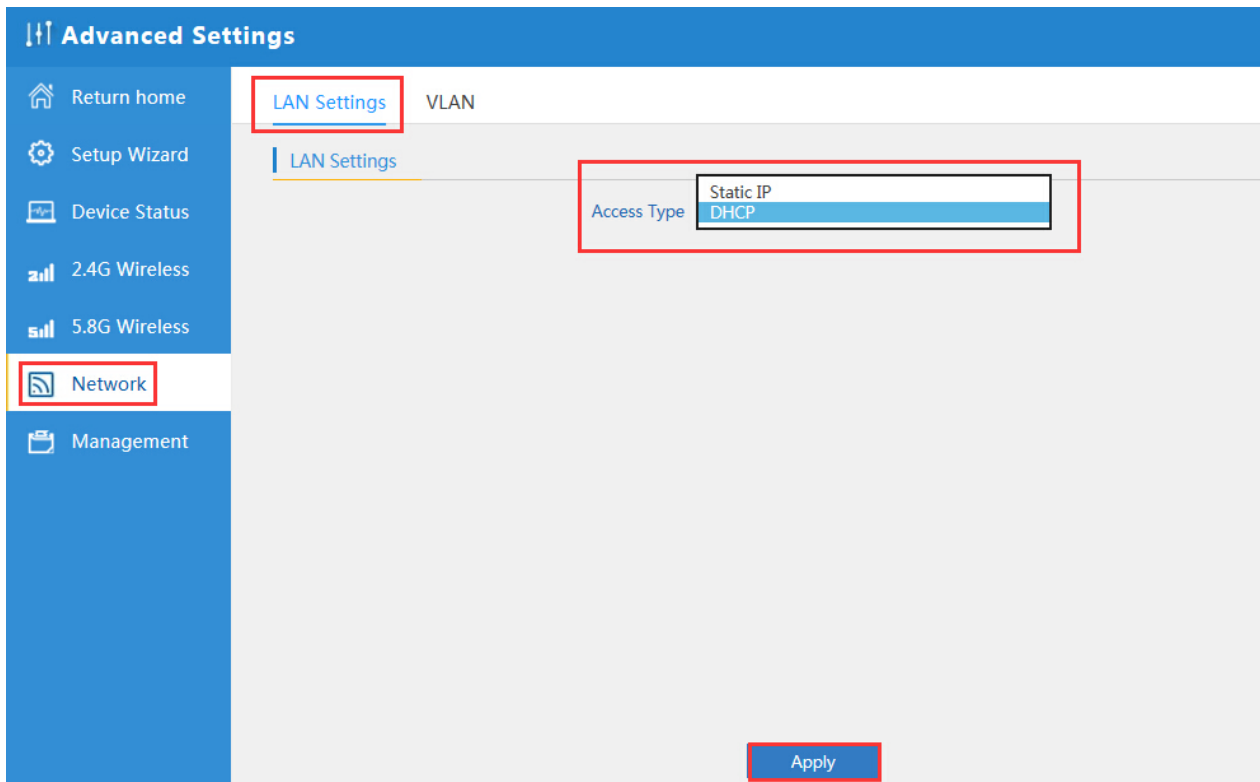
The screenshot shows the 'Advanced Settings' interface. The 'Advanced Settings' tab is selected. The 'Regional' dropdown is set to 'China'. The 'MODE' dropdown is set to '802.11N/G'. The 'RF Output Power' dropdown is set to '100%'. The 'Packet Threshold' is set to '2346' (range 256-2346). The 'RTS Threshold' is set to '2346' (range 0-2347). The 'Ack Timeout control' is set to '64' (range 0-255)us. The 'Beacon interval' is set to '100' (range 100-1000)ms. The 'MAX User' field is set to '64' (range 0-64, 0 not limited). The 'Coverage Threshold' is set to '-90' (range -65dBm to -90dBm). At the bottom, there are three toggle switches: 'Aggregation' (ON), 'Short GI' (ON), and 'User isolation' (OFF). The 'Apply' button is at the bottom right.

P35 Advanced Setting

Network:

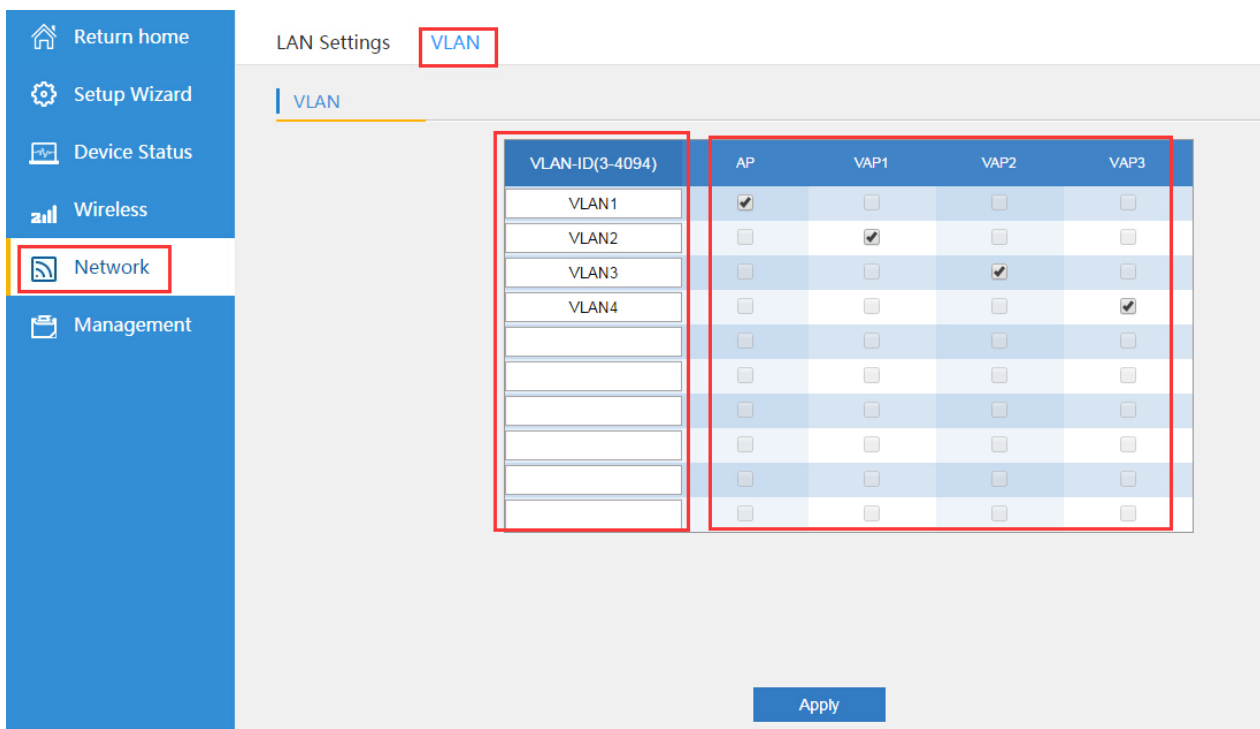
In network, mainly to show the LAN setting and tag VLAN as follow:

In LAN Settings, mainly including static IP and DHCP.



P36 Network Setting

In VLAN part, need an VLAN switch and make sure the multi SSID is enable, then input the VLAN ID to different SSID.



P37 Tag VLAN Setting

Management:

In this part, show the system time, Logs, upgrade firmware, system, user info.

And we show System time, how to upgrade firmware and system page to users:

Advanced Settings

Return home Setup Wizard Device Status Wireless Network **Management** 1st

System Time Logs Upgrade Firmware System User 2nd

System Time 2016-6-15 15:33:2 4th Sync with host

Choose Time Zone GMT;Dublin,Edinburgh,London,Lisbon

NTP Server time.windows.com 3rd

Equipment timing ☐ Auto restart 23:00

Apply 5th

P38 System Time

Advanced Settings

Return home Setup Wizard Device Status Wireless Network **Management** 1st

System Time Logs Upgrade Firmware System User 2nd

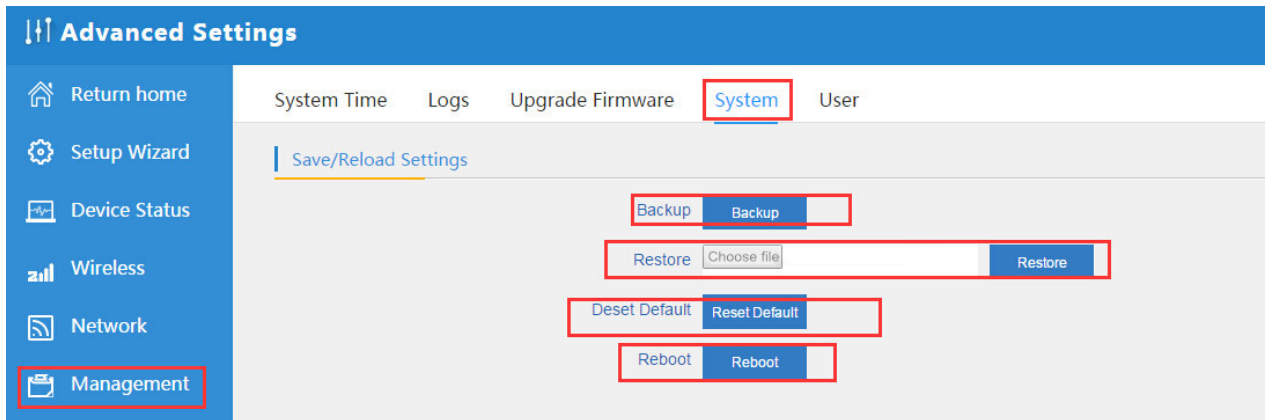
Upgrade Firmware

Software Version XD9500Q-AP-V2.0-B20160429105829

Choose File Choose file XD9341-SPI-...930-EN.ubin 3rd 4th Upgrade 5th

Note do not power off the device during the upload because it may crash the system!

P39Firmware Upgrade

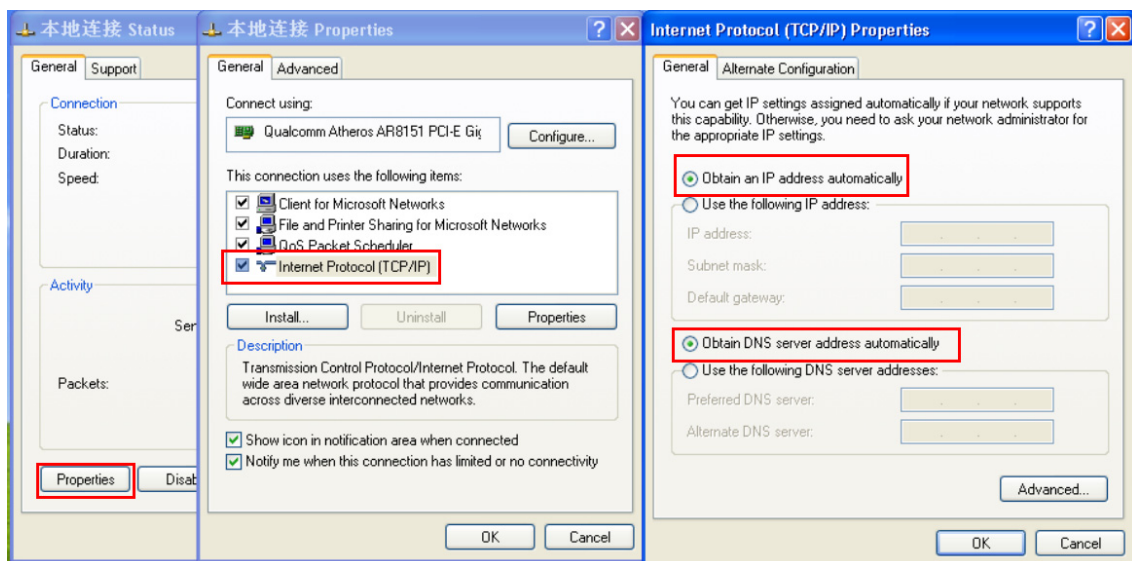


P40 System info

5th Share Internet and Obtain IP address automatically

Set computer's TCP/IP as [Obtain an IP address automatically](#), [Obtain DNS server address automatically](#) as following picture showed.

the computer will obtain the IP address from router or base station to get Internet.



Trouble Shooting:

F 1 The Failure phenomenon and solution

Failure phenomenon	Solution
SYS Indicator off	Pls make sure the PoE module connection is right. POE Port connect with AP, LAN port connect with computer
Can't land to Wireless AP through Web page	Pls check the IP address of computer and Wireless AP to see whether they are in same networking segment, The method is click "start"- "Run" input "cmd", ping 192.168.0.254 to test the Wireless AP connectivity. Reset Wireless AP and load it again; Pls make sure the IP address 192.168.0.254 is not occupied by other device in Wireless AP's networking; Check computer and cable problem, recommend to use 10/100M UTP unshielded cable; Clean up Arp binding from "Start"- "Run" input "cmd" arp -d Clean the IE Brower's temporary files and Cache file.
Wireless AP can't connect with AP (the status display unconnected)	Try to scan the available wireless networking again; Make sure the Wireless AP's wireless standard is correct; The Security and passwords are matched between Wireless AP and AP; The signal strength of AP is too weak to connect, should be more than -75dBm;
The connection of Wireless AP and AP is success, but the computer can't share internet	Pls Check the computer's IP address and DNS setting. If it is dynamin, set the network card as automatically obtain. If it is static IP, pls contact with ISP for correct IP address and DNS address.
How to Reset Wireless AP	Press the "Reset" button more than 15 seconds after power on. The Wireless AP will restore factory default after the Wireless AP restart.

FCC INFORMATION

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.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

RF Exposure: A distance of 20 cm shall be maintained between the antenna and users, and the transmitter may not be co-located with any other transmitter or antenna.