

AP USER MANUAL



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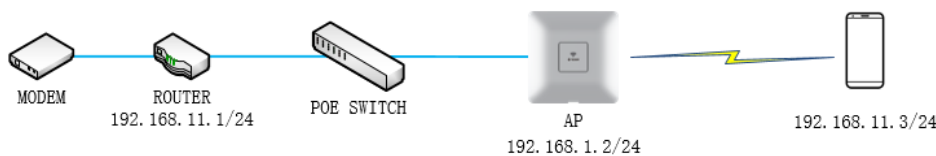
- DHCP client: A list of IP addresses assigned by the AP to the terminal. Applicable only to the wireless routing mode.
- Wireless terminal station: Displays the list of client currently connected to the AP.

3. Wizard: Step by Step guide for setting up your AP.



a. **First step:** Select the working mode for your AP (“Fit AP”) mode is the default mode. * Please note: DHCP service cannot be enabled in this mode. The DHCP will be handled by your router.

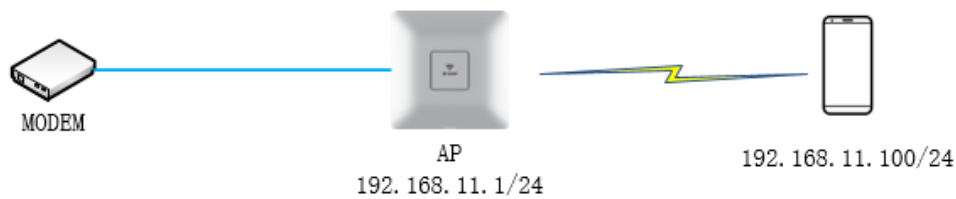
- Fit AP Mode (Default Mode): the AP is connected to your router and will act as a wireless access point. For better performance and control options, you can connect to an AC controller (Sold Separately). For further details, please refer to the gateway manual.



- Select the network protocol (DHCP or Static). Please note: The default IP address of the AP (192.168.1.2) will be changed to the selected IP address during this step.
- WAN Configuration: you can set the DNS.
- Wireless Configuration: modify the SSID name and encryption mode, and go to the “Wireless Settings” to modify the detailed configuration.
- Confirm that the configuration is complete.

Remark: Once the default IP of the AP has been changed, you will need to log-in with the newly assigned IP. If the settings were ‘static’, use the static IP address you assigned the unit. If the settings were ‘DHCP’, login to the router that is assigning the IP to this AP unit and look-up the IP assigned to the AP by looking up the MAC address of the AP from the connected device list of your router.

b. **Wireless router mode**, The WAN port of the AP is connected directly to the MODEM. Start the DHCP service of the AP.



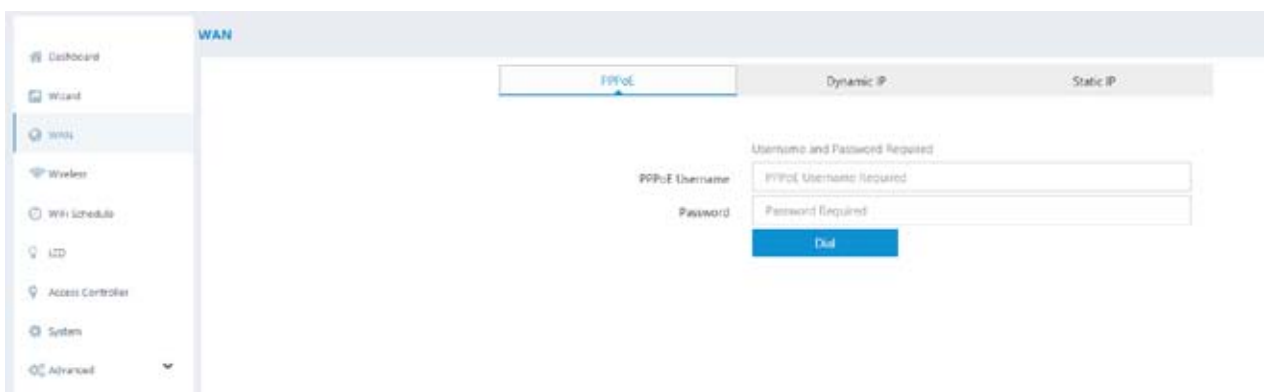
- Select network connection mode: Select the type of Internet service you are subscribed to with your ISP (DHCP, Static, PPPoE).
- Configure the external network: DHCP: IP, subnet, and Gateway will be automatically assigned by your ISP. Static IP: Please enter the IP, Subnet and Gateway information provided to you from your ISP. PPPoE: Please enter the ID and Password provided to you from your ISP.
- Configure wireless network: modify the SSID name and encryption mode, and go to "wireless Settings" to modify the detailed configuration.
- Confirm that the configuration is complete.

Remark: When the Wireless Routing Mode is selected, the IP address of the AP will be changed to 192.168.11.1 and the DHCP service will be enabled.

4. WAN Settings

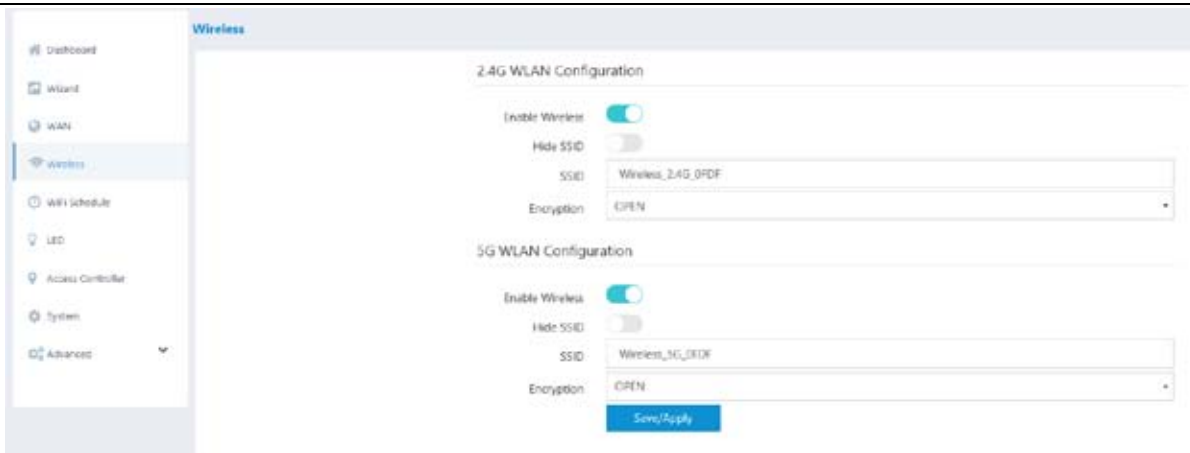
Configure the AP to connect to WAN: DHCP, Static IP, PPPoE are supported.

Please note: If you followed the setup process using the Wizard earlier, you do not need to configure these options again.



5. Wireless Settings

Configure the 2.4G and 5G wireless settings by entering the SSID and encryption methods. Please note: If you followed the setup process using the Wizard earlier, you do not need to configure these options again. If you need multiple SSID, you can go to the 'Advanced' tab and add the additional SSID names.



6. WiFi Schedule

You can set a schedule of when the WiFi is available by entering the start and stop times for each day of the week by enabling this option. If not enabled, WiFi will be available all the time.

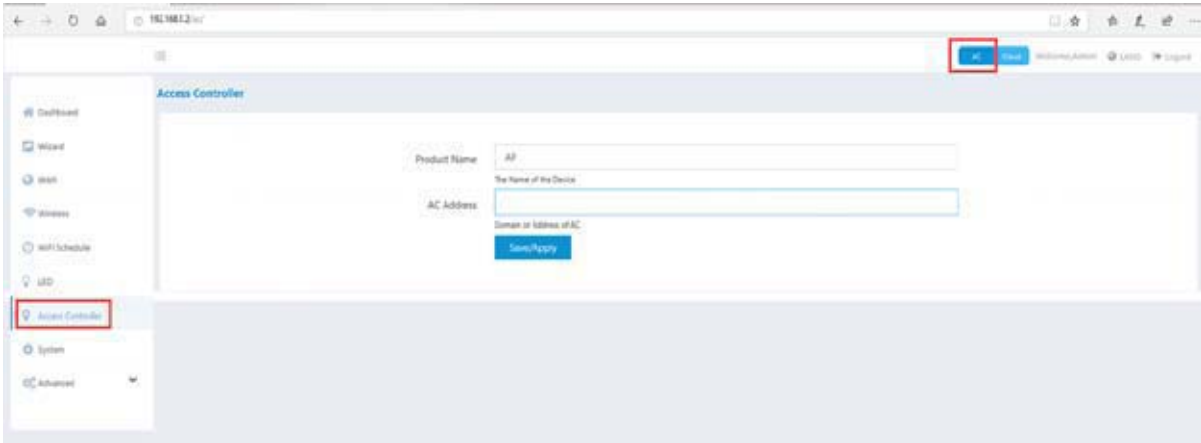


7. LED: LED Light on the AP can be switched 'on' or 'off'

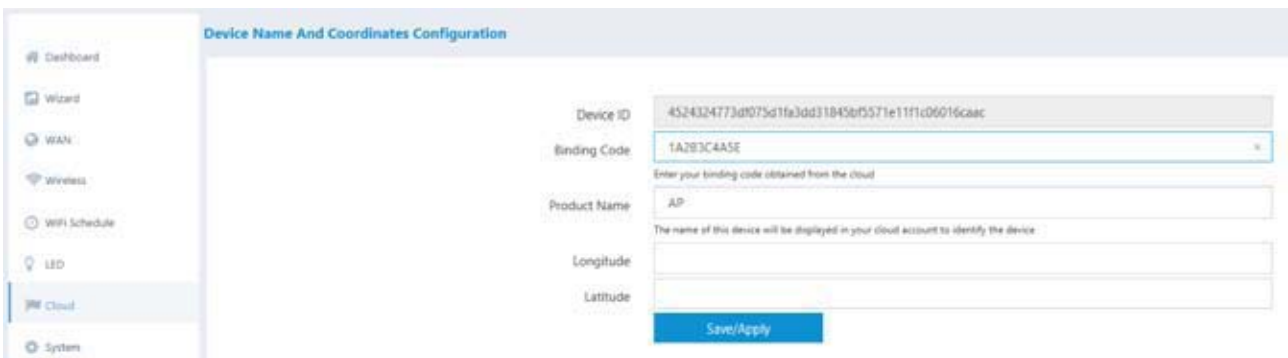


8. AC(Access controller) Management, Cloud Direct or Cloud Managed Unified Gateway Options.

- a. **Unified management:** By Default the AP is managed through a Gateway Module (ON-GW3) offering a more unified and quick management of multiple AP units. Please refer to the AP management section of the Gateway User Manual.



- b. **Cloud management:** When this option is selected, the AP is registered with the cloud server directly (<http://165.22.140.64/login>). After creating your user account at <http://165.22.140.64/login>, you will be assigned a binding code that is used to bind the AP to your cloud account. You will now be able to manage your APs via the Cloud account. For detailed explanation, please refer to the Cloud Account Manual.



9. System Setting

Change password: to change your password, please enter your old password. Then your new password and confirm your new password and click on 'Save/Apply' to make the changes.

System Upgrade: In this section, you can update firmware (Manually from a local file or via the cloud upgrade), Save and import configurations files and restore to factory defaults.

a. Firmware upgrade

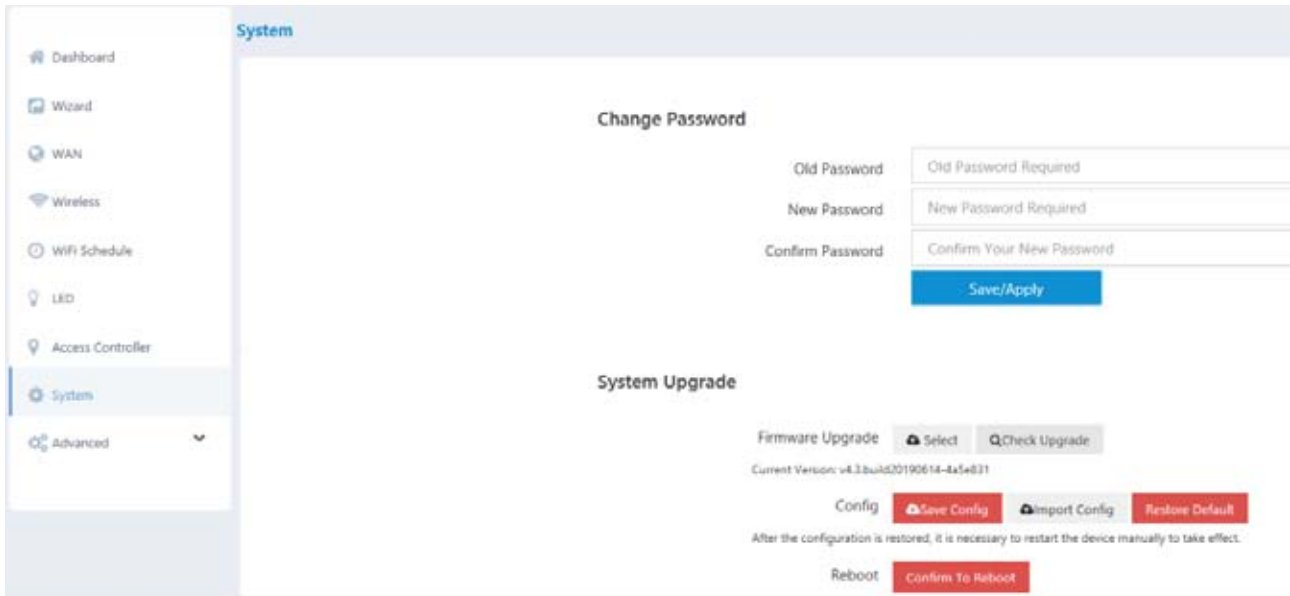
- Click on 'Select' to manually upgrade from a downloaded firmware file.
- Click on 'Check Upgrade' to check for and upgrade from a cloud server when new firmware is available.

b. Configuration Management

- Click on 'Save Config' to save the current AP configuration to a local PC.
- Click on 'Import Config' to restore a saved configuration to the AP

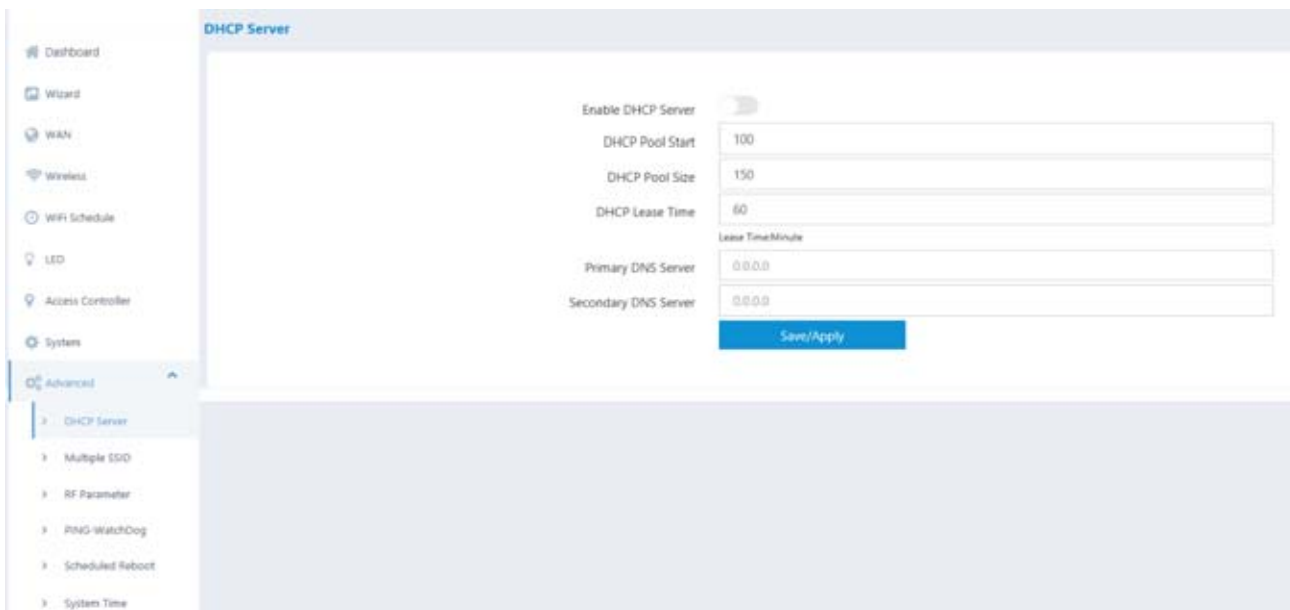
☒ Click on 'Restore Default' to restore all settings to factory default state on the AP.

c. **Reboot:** Click on 'Confirm to Reboot' to reboot the AP

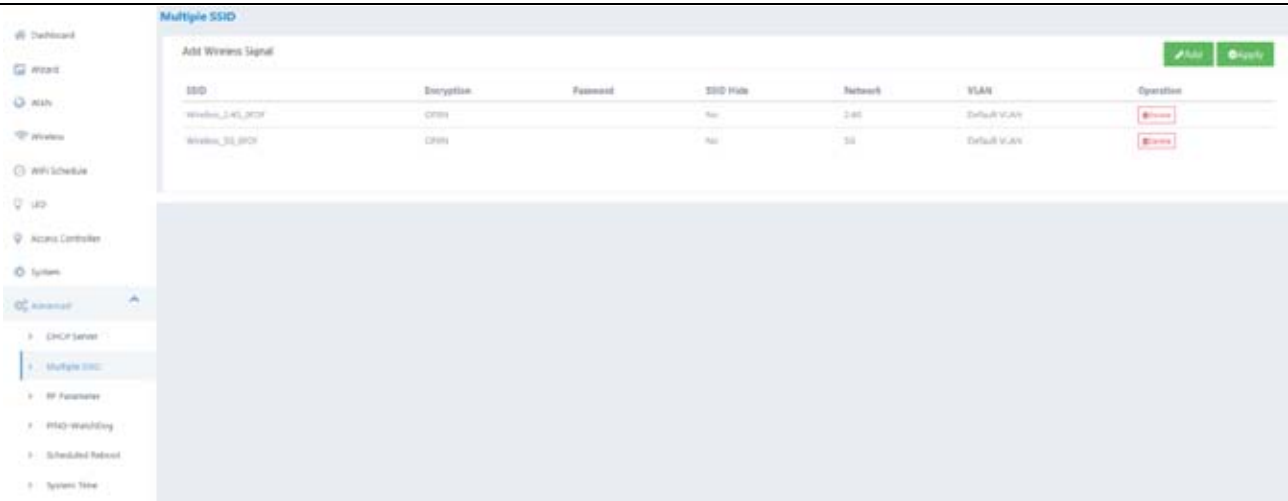


10. Advanced Setting

a. **DHCP Server:** When enabled, will assign IP address automatically to connected devices. (Only applicable when the working mode of the AP is set to 'Wireless Router Mode')



b. **Multiple SSID Setting:** Can create or delete multiple SSIDs for the AP in the 2.4G or 5G bands..



Click “Add”, select 2.4G or 5G network channel, fill in the required SSID and password, select “YES” or “NO” in “Hide SSID” and fill in VLAN Bind, then click “Submit”.

StartOS

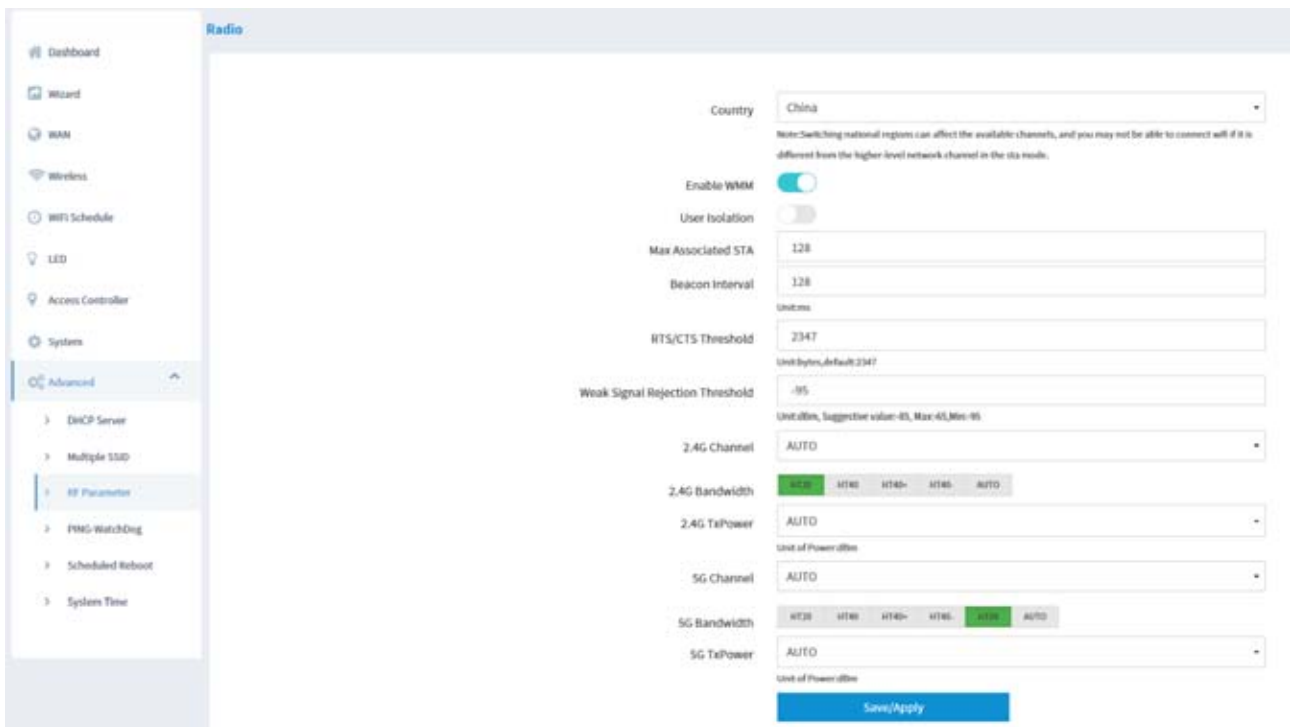
Please Enter new wireless information

Network	<input type="text" value="2.4G"/>
SSID	<input style="border: 2px solid #00aaff;" type="text" value="SSID Required"/>
Encryption	<input type="text" value="WPA2-AES"/>
Password	<input type="text" value="Length of password is at least 8"/>
Hide SSID	<input type="text" value="NO"/>
VLAN Bind	<input type="text" value="0"/>

0 means to add to the default VLAN

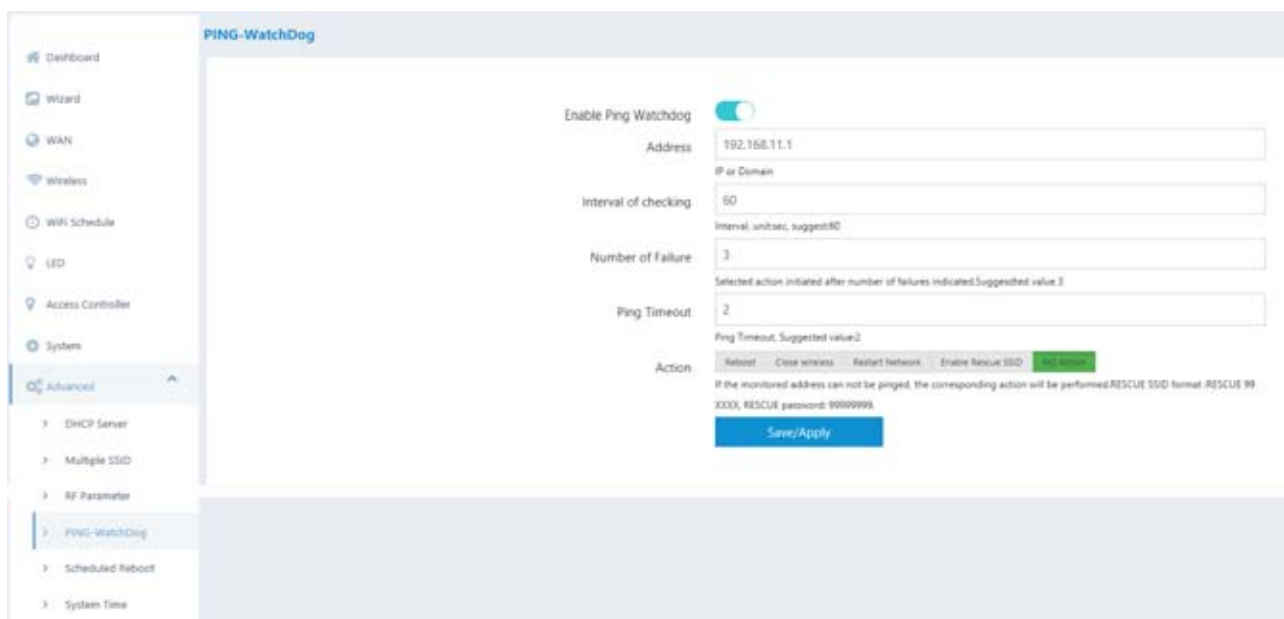
Cancel
Submit

c. RF Parameter



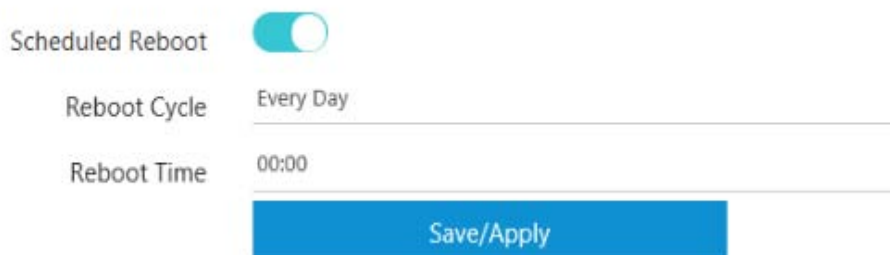
- ☒ Country: Select the corresponding country that the device in.
- ☒ WMM: **Wi-Fi Multimedia**, When 'Enabled', it will provide basic Quality of service (QoS) features. WMM prioritizes traffic according to four Access Categories (AC): voice (AC_VO), video (AC_VI), best effort (AC_BE), and background (AC_BK). However, it does not provide guaranteed throughput. It is suitable for well-defined applications that require QoS, such as Voice over IP (VoIP) on Wi-Fi phones.
- ☒ User Isolation: The User Isolation function is recommended not to be turned on, as all the wifi connected terminal devices cannot access each other after being turned on.
- ☒ Max Associated STA: It limit the number devices that can connect to this AP, it is recommended setting 40-50.
- ☒ Beacon Interval: Beacon interval might help your WiFi network to hold its connection with other devices. It is recommended to keep the default values.
- ☒ RTS/CTS Threshold: The wireless AP sends Request to Send (RTS) frames to a particular receiving device and negotiates the sending of a data frame. After receiving an RTS, the device responds with a Clear to Send (CTS) frame to acknowledge the right to begin transmission. It is recommended to keep the default values.
- ☒ Weak Signal Rejection Threshold: The AP will reject connection to any wireless device that tries to connect with a signal strength below the set value.
- ☒ 2.4G/5G Channel: 2.4G/5G supports automatic adaptation to the allowed wifi channels by the country code selected.
- ☒ 2.4G Bandwidth: Support 20/40/40+/40- MHz
- ☒ 5G Bandwidth: Support 20/40/40+/40-/80 MHz
- ☒ 2.4/5G TxPower: 2.4G supports up to 27 dBm and 5G supports up to 23dBm.

- d. **PING-WatchDog:** After the function is enabled, the AP can perform line detection and perform preset actions.



- ☒ Watchdog monitoring address: AP performs PING test on the address or domain name
- ☒ Interval of checking: Ping test interval (unit: second)
- ☒ Number of failures: Ping checks the number of consecutive failures and performs actions. The suggested value is 3 times.
- ☒ Ping Timeout: Maximum ping time (unit: second)
- ☒ Watchdog monitoring action:
 - a. Reboot the device
 - b. Turn off wireless - 2.4G and 5G wireless signals are off
 - c. Restart the network - restart the network ports
 - d. Open RESCUE SSID - increase wireless RESCUE SSID, name format: RESCUE_99_XXXX, password: 99999999
 - e. No action

- e. **Scheduled Reboot:** When this feature is turned on, the AP can be set to automatically reboot daily, weekly, or monthly based on the schedule created



- f. **System Time:** When 'NTP (Network Time Protocol)' is enabled, the AP will synchronize the system time to the installed location when connected to the internet.

Time Manager

Enable NTP

Time Zone Asia/Shanghai

System Time 1970-01-01 15:24:59

NTP Server 0.pool.ntp.org

NTP Server 1.pool.ntp.org

NTP Server 2.pool.ntp.org

Save/Apply

- Dashboard
- Wizard
- WAN
- Wireless
- WiFi Schedule
- LED
- Access Controller
- System
- Advanced
 - DHCP Server
 - Multiple SSID
 - RF Parameter
 - PING WatchDog
 - Scheduled Reboot
 - System Time