



Gateway and AC Controller Initial Setup

1. Login Page

1.1. Access the web interface by entering the default IP address 192.168.11.1 in your browser.

1.2. The PC receives an IP from the same subnet automatically.

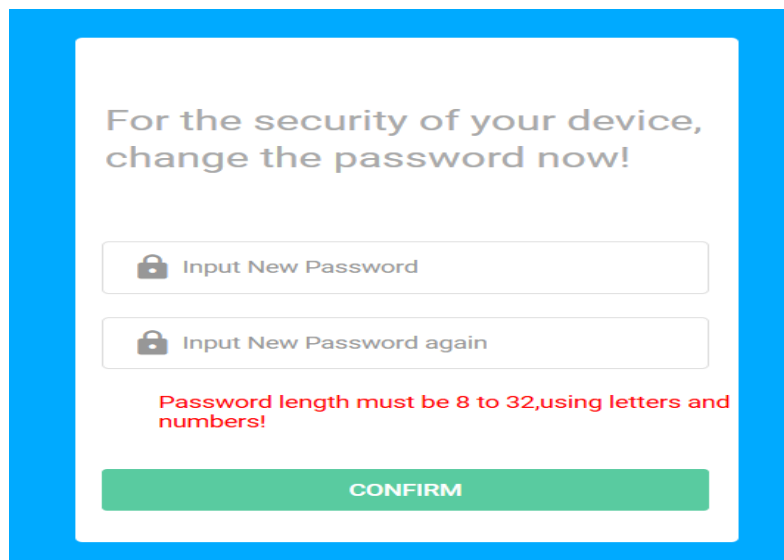
1.3. Login credentials: **admin / admin**.



The screenshot shows the Navijin login page with a blue background. At the top, there are three small icons: a mobile phone, a cloud, and a graduation cap. The word "Navijin" is displayed in a large, white, sans-serif font. Below the logo, there are three input fields: "Username" with a person icon, "Password" with a lock icon, and a language dropdown menu currently set to "English (US)". To the right of the language dropdown is a link that says "FORGOT PASSWORD?". At the bottom, there is a green button labeled "LOG IN".

2. Change Default Password

2.1. Upon first login, the system prompts you to change the default password for security purposes.



The screenshot shows a white dialog box with a blue border. The text inside reads: "For the security of your device, change the password now!". Below this text are two input fields, both with lock icons: "Input New Password" and "Input New Password again". Below the input fields, there is a red error message: "Password length must be 8 to 32, using letters and numbers!". At the bottom of the dialog box, there is a green button labeled "CONFIRM".

3. Interface Configuration

3.1. Go to **Network > Interface**.

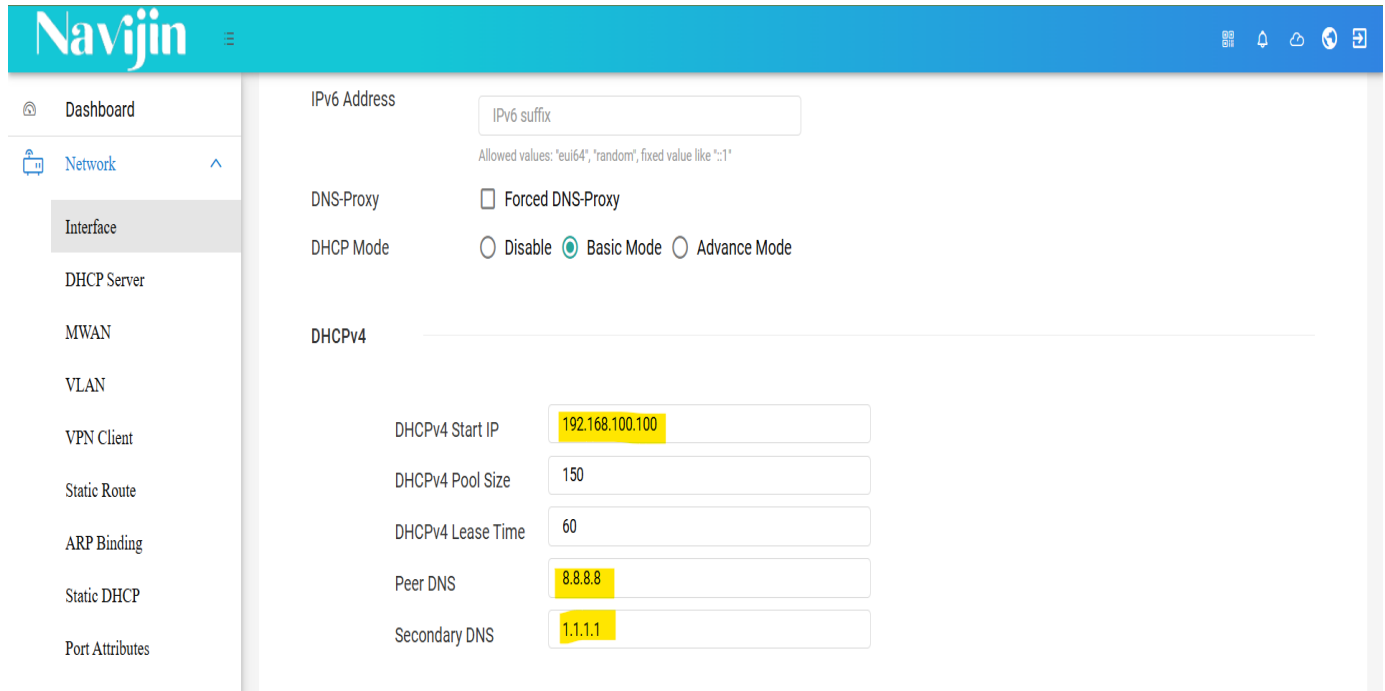
3.2. By default, all ports are in **BOND** mode.

3.3. To assign VLANs, change the port to LAN, then set the IP address and subnet mask.

The screenshot shows the Navijin web interface for configuring a network interface. The top navigation bar includes the Navijin logo and system status indicators (CPU: 12.56%, Memory: 13.77%, Up Speed: 2 Kbps, Down Speed: 5 Kbps). The left sidebar contains a menu with options: Dashboard, Network, Interface (selected), DHCP Server, MWAN, VLAN, VPN Client, Static Route, ARP Binding, Static DHCP, Port Attributes, Status, SmartQoS, and Firewall. The main content area is titled 'Network/Interface' and shows five interface icons (LAN, LAN, LAN, LAN, WAN). The 'Interface Type' is set to 'LAN' (selected) with a radio button. Below it, the 'MAC Address' is '04:c3:e6:69:90:d9' with a 'Random' button. The 'IP Address' is '192.168.100.254' and the 'Netmask' is '255.255.255.0'. An 'Advanced' section is expanded, showing 'Secondary IP' with input fields for 'Input IP Address' and 'Input Netmask' (with an 'Add' button).

4. DHCP Configuration for Interface

4.1. In the **Advanced** section of the interface settings, enable and configure the DHCP server.



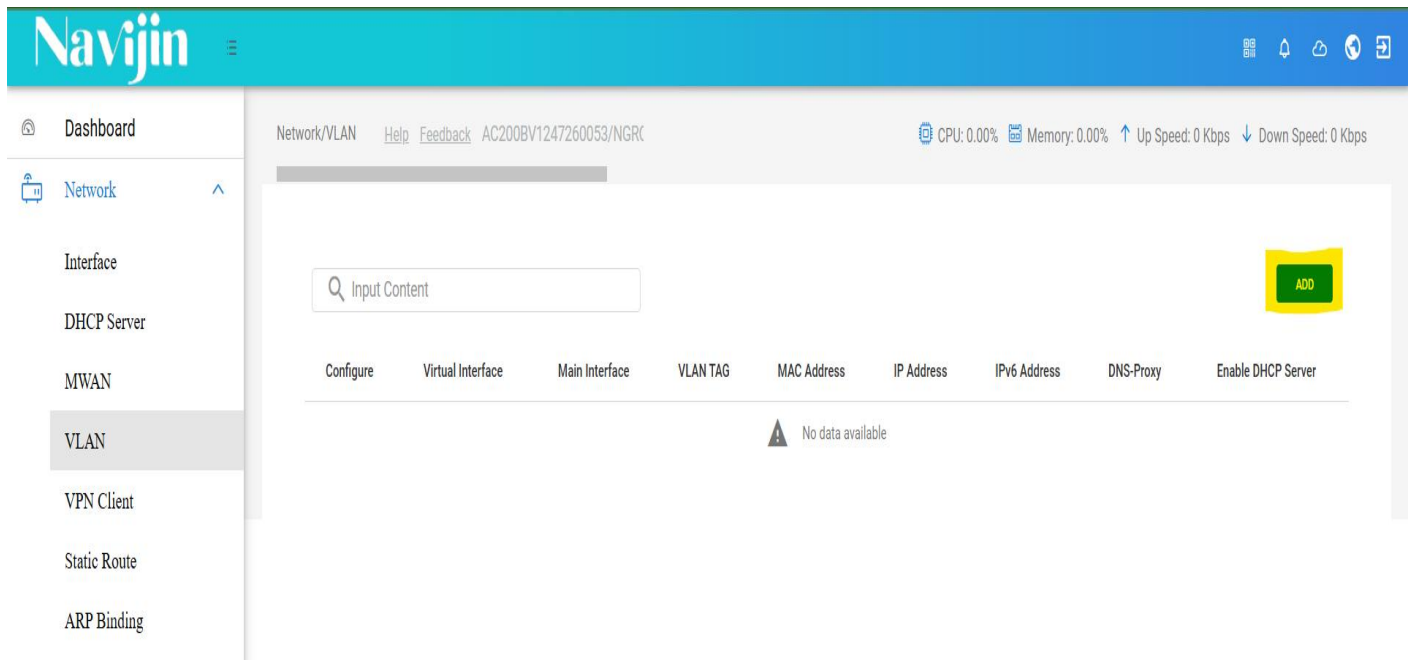
The screenshot displays the Navijin web interface for configuring an interface. The left sidebar contains a navigation menu with the following items: Dashboard, Network, Interface (selected), DHCP Server, MWAN, VLAN, VPN Client, Static Route, ARP Binding, Static DHCP, and Port Attributes. The main content area is titled "IPv6 Address" and includes a text input field for "IPv6 suffix" with a placeholder "IPv6 suffix" and a note: "Allowed values: 'eui64', 'random', fixed value like '::1'". Below this, there are two settings: "DNS-Proxy" with a checkbox for "Forced DNS-Proxy" (unchecked), and "DHCP Mode" with three radio buttons: "Disable" (unchecked), "Basic Mode" (checked), and "Advance Mode" (unchecked). A section titled "DHCPv4" contains five input fields: "DHCPv4 Start IP" (192.168.100.100), "DHCPv4 Pool Size" (150), "DHCPv4 Lease Time" (60), "Peer DNS" (8.8.8.8), and "Secondary DNS" (1.1.1.1). The values in the input fields are highlighted in yellow.

5. Creating a VLAN

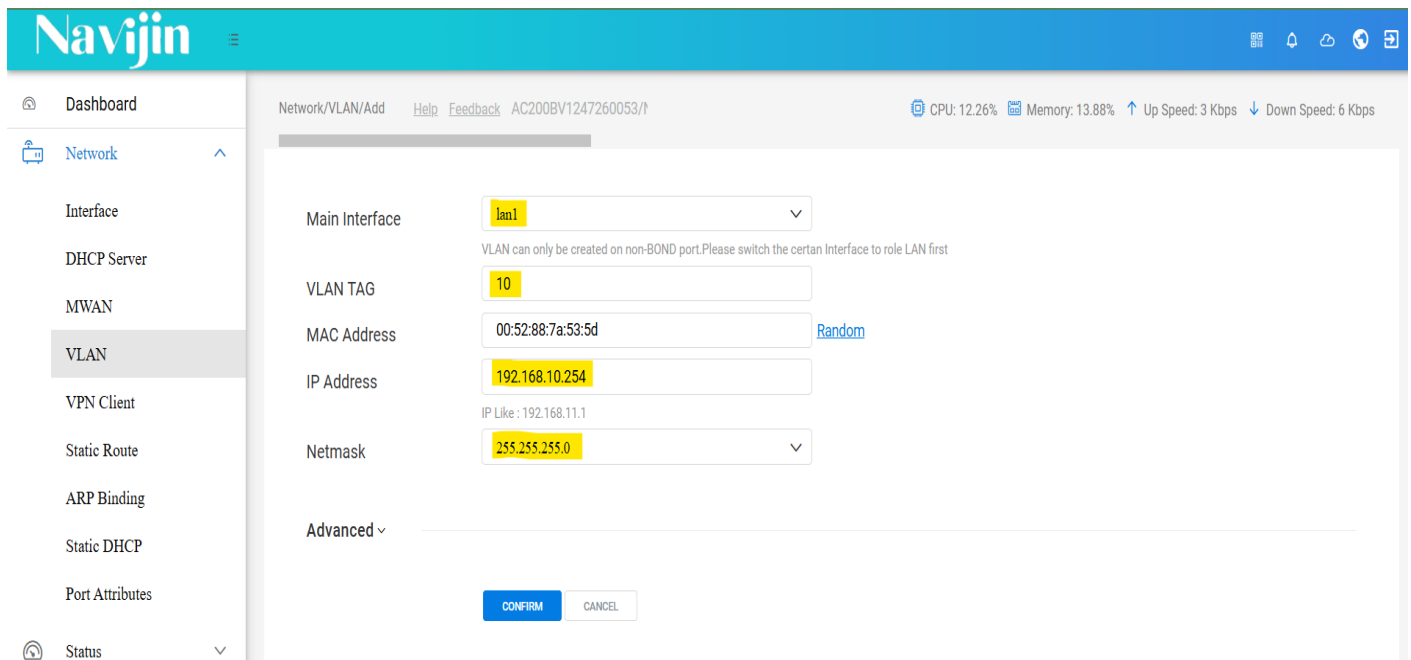
5.1. Navigate to **Network > VLAN**, click **ADD**.

5.2. Select the interface, assign a VLAN ID, IP address, and subnet mask.

5.3. In the Advanced section, enable the DHCP server for this VLAN.



The screenshot shows the Navijin web interface. The top navigation bar is blue with the Navijin logo on the left and system status icons on the right. A left sidebar contains a menu with items: Dashboard, Network, Interface, DHCP Server, MWAN, VLAN (highlighted), VPN Client, Static Route, and ARP Binding. The main content area is titled 'Network/VLAN' and includes a search bar with the placeholder 'Input Content' and a green 'ADD' button. Below the search bar is a horizontal menu with tabs: Configure, Virtual Interface, Main Interface, VLAN TAG, MAC Address, IP Address, IPv6 Address, DNS-Proxy, and Enable DHCP Server. The main content area currently displays a warning icon and the text 'No data available'.



The screenshot shows the 'Network/VLAN/Add' configuration page in the Navijin web interface. The top navigation bar is blue with the Navijin logo on the left and system status icons on the right. A left sidebar contains a menu with items: Dashboard, Network, Interface, DHCP Server, MWAN, VLAN (highlighted), VPN Client, Static Route, ARP Binding, Static DHCP, and Port Attributes. The main content area is titled 'Network/VLAN/Add' and includes a search bar with the placeholder 'Input Content' and a green 'ADD' button. Below the search bar is a horizontal menu with tabs: Configure, Virtual Interface, Main Interface, VLAN TAG, MAC Address, IP Address, IPv6 Address, DNS-Proxy, and Enable DHCP Server. The main content area displays the following configuration fields:

- Main Interface:
- VLAN TAG:
- MAC Address: [Random](#)
- IP Address: IP Like: 192.168.11.1
- Netmask:

Below the configuration fields is an 'Advanced' section with a dropdown arrow. At the bottom of the page are two buttons: 'CONFIRM' and 'CANCEL'.

The screenshot shows the Navijin Network configuration interface. The left sidebar contains a menu with options: Dashboard, Network, Interface, DHCP Server, MWAN, VLAN (highlighted), VPN Client, Static Route, ARP Binding, Static DHCP, and Port Attributes. The main content area is titled 'VLAN' and includes the following settings:

- IPv6 Address(CIDR): [Input field]
- IPv6 suffix: [Input field]
- Allowed values: "eui64", "random", fixed value like "::1"
- DNS-Proxy: Forced DNS-Proxy
- DHCP Mode: Disable Basic Mode Advance Mode
- DHCPv4 section:
 - DHCPv4 Start IP: 192.168.10.100
 - DHCPv4 Pool Size: 150
 - DHCPv4 Lease Time: 60
 - Peer DNS: 8.8.8.8
 - Secondary DNS: 1.1.1.1

6. VLAN Overview

6.1. After creating VLANs, go to Network > VLAN to view the list of all configured VLANs.

The screenshot shows the Navijin Network Overview page for VLANs. The left sidebar contains a menu with options: Dashboard, Network, Interface, DHCP Server, MWAN, VLAN (highlighted), VPN Client, Static Route, and ARP Binding. The main content area displays the following information:

Network/VLAN Help Feedback AC200BV1247260053/NGRK CPU: 13.40% Memory: 14.15% Up Speed: 2 Kbps Down Speed: 3 Kbps

Search: [ADD](#)

Configure	Virtual Interface	Main Interface	VLAN TAG	MAC Address	IP Address	IPv6 Address	DNS-Proxy	Enable DHCP Server
Edit Delete	lan1_10	lan1	10	00:52:88:7a:53:5d	192.168.10.254/255.255.255.0	-	Disable	Enable
Edit Delete	lan1_20	lan1	20	00:45:07:cc:3f:27	192.168.20.254/255.255.255.0	-	Disable	Enable
Edit Delete	lan1_30	lan1	30	00:17:04:d4:9b:3f	192.168.30.254/255.255.255.0	-	Disable	Enable

Records per page: 20 Item 1 - 3/Total 3 < >

7. DHCP Server Overview

7.1. Go to **Network > DHCP Server** to view and manage DHCP servers for each interface or VLAN.

Network/DHCP Server [Help](#) [Feedback](#) AC200BV124726005

CPU: 13.41% Memory: 14.14% Up Speed: 8 Kbps Down Speed: 104 Kbps

Input Content [ADD](#) [RESTART SERVICE](#)

Configure	LAN	Status	DHCPv4 Start IP	DHCPv4 Pool Size	IPv4 DNS	Gateway	DHCPv6 Status	DHCPv6-Mode
Edit Delete	lan	Enable	192.168.11.100	150	-	192.168.11.1	Disabled	Stateless
Edit Delete	lan1	Enable	192.168.100.100	150	8.8.8.1.1.1.1	192.168.100.254	Disabled	Stateless
Edit Delete	lan1_10	Enable	192.168.10.100	150	8.8.8.1.1.1.1	192.168.10.254	Disabled	Stateless+Stateful
Edit Delete	lan1_20	Enable	192.168.20.100	150	8.8.8.1.1.1.1	192.168.20.254	Disabled	Stateless+Stateful
Edit Delete	lan1_30	Enable	192.168.30.100	150	8.8.8.1.1.1.1	192.168.30.254	Disabled	Stateless+Stateful

Records per page: 20 Item 1 - 5/Total 5 < >

8. Wireless Controller Settings

8.1. Go to **Wireless > Overview** and enable the following options:

8.1.1. **Access Controller:** activates AP management

8.1.2. **AC-AP Time Sync:** syncs time across access points

8.1.3. **AP Auto Upgrade:** enables auto firmware upgrade

8.1.4. **AP Scheduled Reboot:** schedule automatic reboots

8.1.5. **Country For All AP:** set your country

The screenshot displays the Navijin web interface for configuring wireless settings. The left sidebar shows the navigation menu with 'Wireless' selected and 'Overview' highlighted. The main content area is titled 'Global Config' and contains the following settings:

- Access Controller:** Enable Disable
- Distribute AC Address:** Disabled Using LAN IP Custom AC Address
When Enable, use DHCP option 43 to distribute the AC address
- AC-AP Time Sync:** Enable Disable
- AP Auto Upgrade:** Enable Disable
- AP Scheduled Reboot:** Enable Disable
Daily
- AP Scheduled Reboot Time:** 23:00 *
- AC Scheduled Reboot:** Enable Disable
The device will not restart again if it runs for less than one hour
- Wireless Optimization:** Enable Disable
- AP Ping Watchdog:** Enable Disable
- Country For All AP:** Azerbaijan

A blue 'CONFIRM' button is located at the bottom of the settings list.

9. Creating AP Group – 2.4GHz Settings

9.1. Go to **Wireless > AP Group**, create a group (e.g. My AP Group).

9.2. Under 2.4GHz, configure:

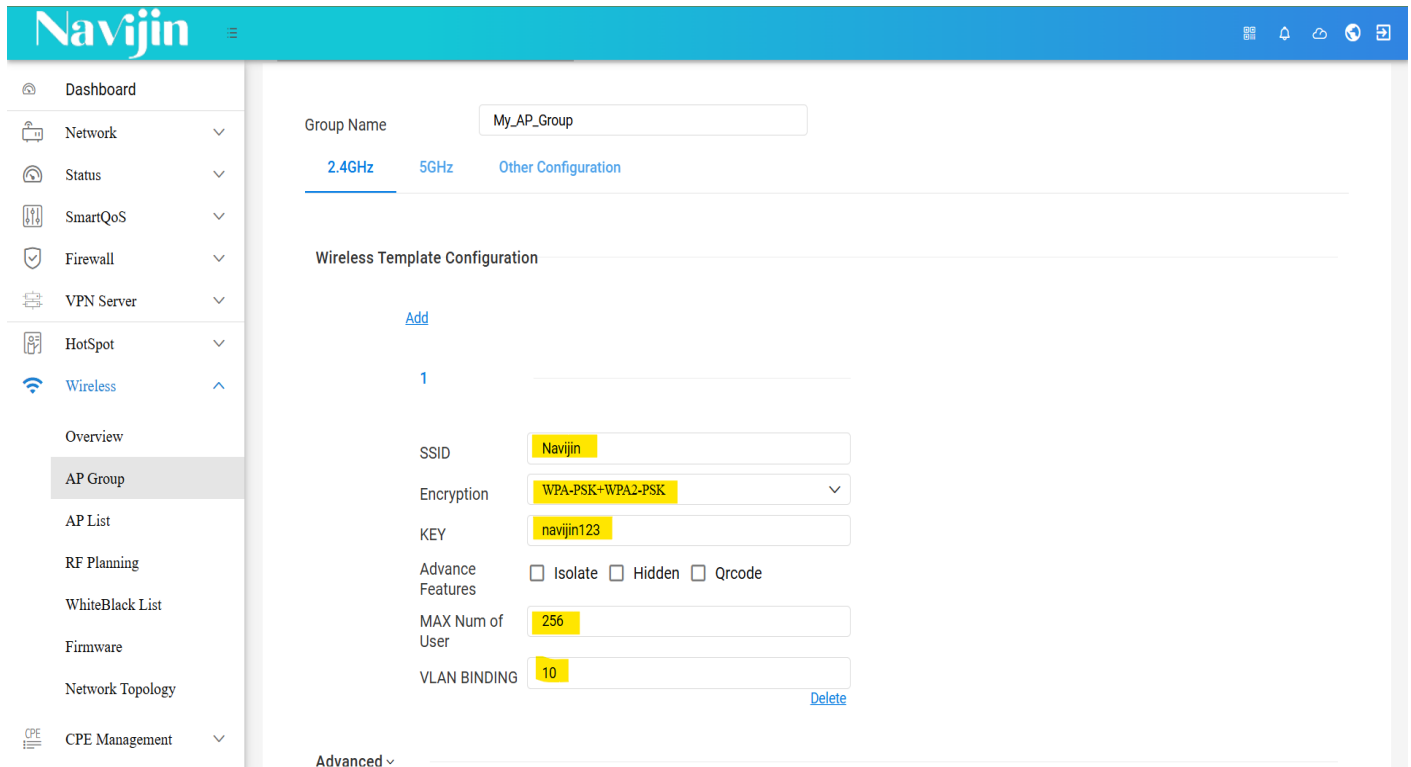
9.2.1. SSID

9.2.2. Encryption

9.2.3. Key

9.2.4. Max Number of Users

9.2.5. VLAN Binding



The screenshot shows the Navijin web interface for configuring an AP Group. The left sidebar contains a navigation menu with the following items: Dashboard, Network, Status, SmartQoS, Firewall, VPN Server, HotSpot, Wireless (selected), Overview, AP Group (selected), AP List, RF Planning, WhiteBlack List, Firmware, Network Topology, and CPE Management. The main content area is titled "Group Name" and shows "My_AP_Group". Below this, there are tabs for "2.4GHz", "5GHz", and "Other Configuration", with "2.4GHz" being the active tab. The "Wireless Template Configuration" section includes an "Add" button and a list of configurations. The first configuration has the following settings: SSID: Navijin, Encryption: WPA-PSK+WPA2-PSK, KEY: navijin123, Advance Features: Isolate, Hidden, and Qrcode (all unchecked), MAX Num of User: 256, and VLAN BINDING: 10. A "Delete" button is located at the bottom right of the configuration list. The "Advanced" section is partially visible at the bottom.

10. Creating AP Group – 5GHz Settings

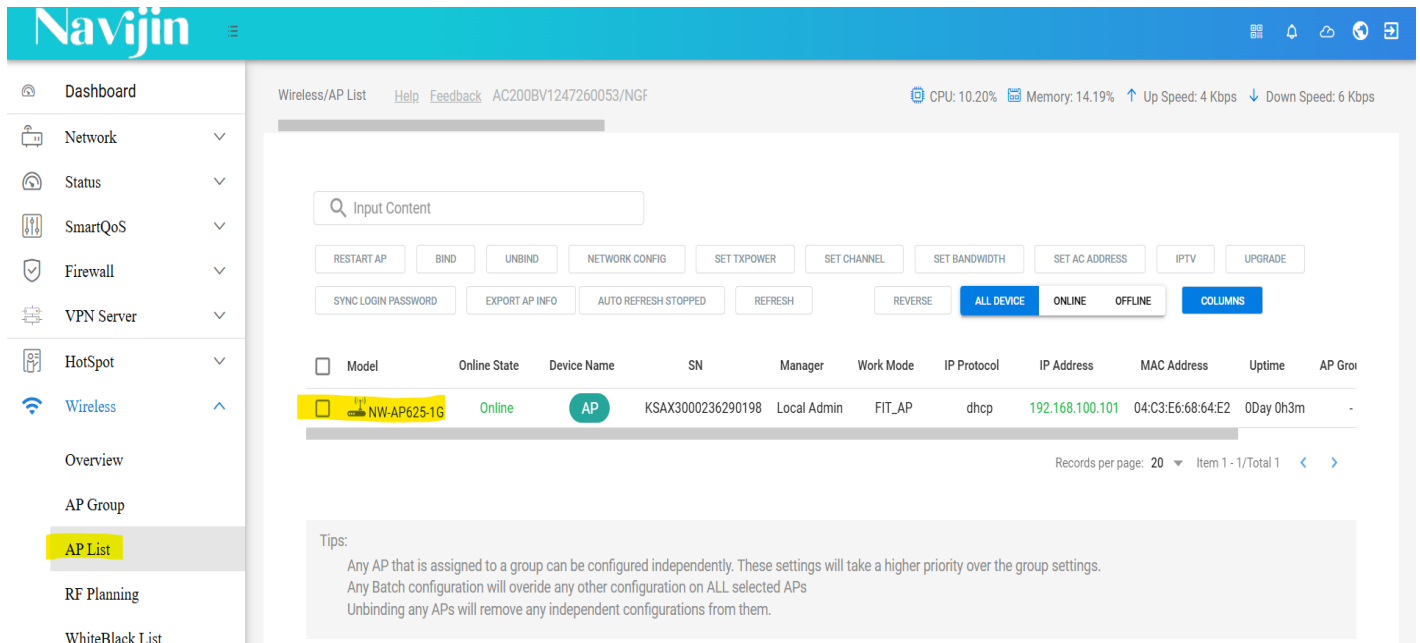
10.1. In the same **AP group**, under 5GHz, configure SSID, encryption, key, max users, and VLAN binding.

The screenshot shows the Navijin web interface for configuring a wireless AP group. The left sidebar contains navigation options: Dashboard, Network, Status, SmartQoS, Firewall, VPN Server, HotSpot, Wireless (selected), Overview, AP Group (selected), AP List, RF Planning, WhiteBlack List, Firmware, Network Topology, and CPE Management. The main content area is titled 'Wireless/AP Group/Add' and shows the configuration for a group named 'My_AP_Group'. The '5GHz' tab is active, displaying the 'Wireless Template Configuration' for template '1'. The configuration fields are: SSID (Navijin), Encryption (WPA-PSK+WPA2-PSK), KEY (navijin123), Advance Features (Isolate, Hidden, Qrcode), MAX Num of User (256), and VLAN BINDING (10). A 'Delete' button is located at the bottom right of the configuration area.

The screenshot shows the Navijin web interface for configuring wireless AP groups. The left sidebar is identical to the previous screenshot. The main content area displays three templates for configuration. Template 1 has SSID 'Guest', Encryption 'WPA-PSK+WPA2-PSK', KEY 'guest123', Advance Features (Isolate, Hidden, Qrcode), MAX Num of User '256', and VLAN BINDING '30'. Template 2 has SSID 'Office', Encryption 'WPA-PSK+WPA2-PSK', KEY 'office123', Advance Features (Isolate, Hidden, Qrcode), MAX Num of User '32', and VLAN BINDING '20'. Template 3 has SSID 'Navijin', Encryption 'WPA-PSK+WPA2-PSK', KEY 'navijin123', Advance Features (Isolate, Hidden, Qrcode), MAX Num of User '256', and VLAN BINDING '10'. Each template has a 'Delete' button at the bottom right.

11. Viewing AP List

11.1. Go to **Wireless > AP List** to see all connected access points.



The screenshot shows the Navijin management interface. The left sidebar contains a navigation menu with 'Wireless' expanded and 'AP List' selected. The main content area displays the 'Wireless/AP List' page for device AC200BV1247260053/NGF. At the top right, system statistics show CPU at 10.20%, Memory at 14.19%, Up Speed at 4 Kbps, and Down Speed at 6 Kbps. Below the search bar, there are several configuration buttons: RESTART AP, BIND, UNBIND, NETWORK CONFIG, SET TXPOWER, SET CHANNEL, SET BANDWIDTH, SET AC ADDRESS, IPTV, UPGRADE, SYNC LOGIN PASSWORD, EXPORT AP INFO, AUTO REFRESH STOPPED, REFRESH, REVERSE, ALL DEVICE, ONLINE, OFFLINE, and COLUMNS. A table lists the AP details:

<input type="checkbox"/>	Model	Online State	Device Name	SN	Manager	Work Mode	IP Protocol	IP Address	MAC Address	Uptime	AP Gro
<input checked="" type="checkbox"/>	NW-AP625-1G	Online	AP	KSAX3000236290198	Local Admin	FIT_AP	dhcp	192.168.100.101	04:C3:E6:68:64:E2	0Day 0h3m	-

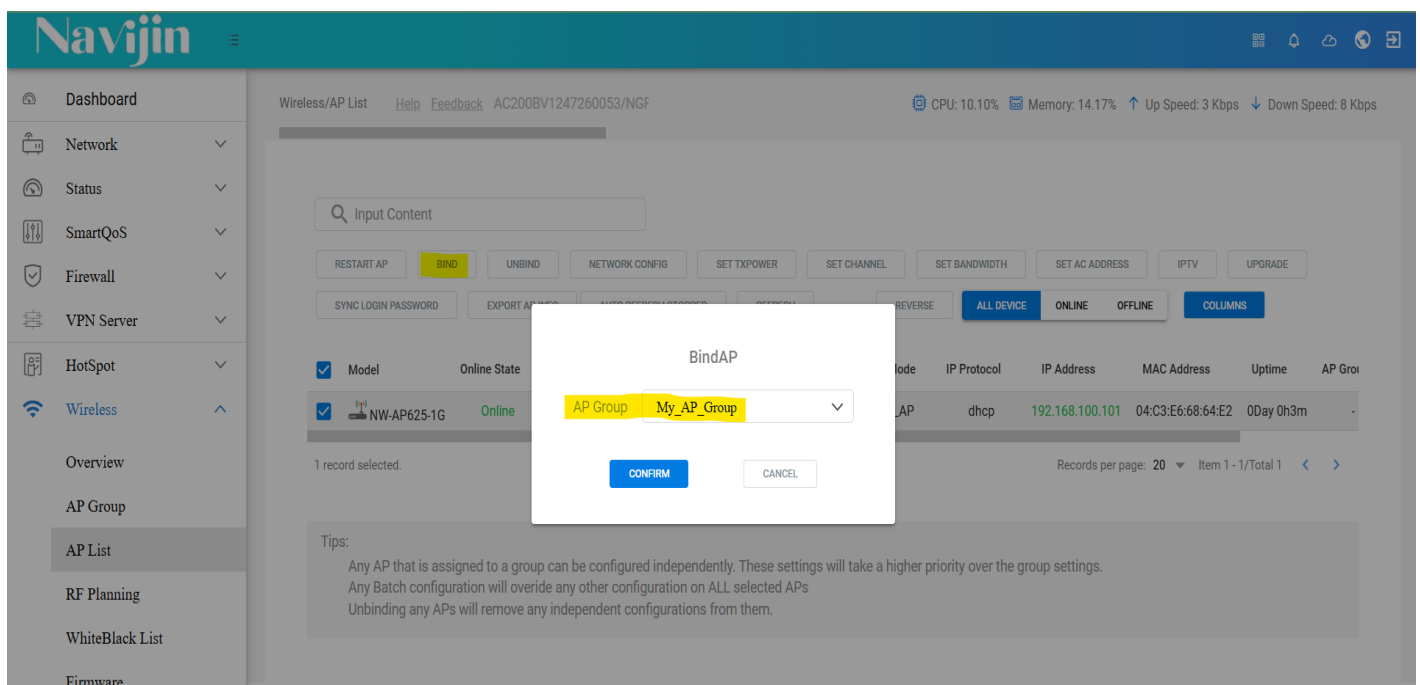
Records per page: 20 | Item 1 - 1/Total 1

Tips:
Any AP that is assigned to a group can be configured independently. These settings will take a higher priority over the group settings.
Any Batch configuration will override any other configuration on ALL selected APs
Unbinding any APs will remove any independent configurations from them.

12. Binding AP to a Group

12.1. Select the desired access point and click BIND.

12.2. In the pop-up window, select your previously created group (My AP Group).



This screenshot shows the same 'Wireless/AP List' page as above, but with the 'BIND' button highlighted in yellow. A 'BindAP' dialog box is open in the foreground, featuring a dropdown menu with 'AP Group' selected and 'My_AP_Group' chosen. The dialog has 'CONFIRM' and 'CANCEL' buttons. The background table shows the AP 'NW-AP625-1G' is selected with a checkmark. The system statistics at the top right now show CPU at 10.10%, Memory at 14.17%, Up Speed at 3 Kbps, and Down Speed at 8 Kbps. The '1 record selected.' status is visible at the bottom of the table area.

13. AP Group Configuration Applied

13.1. After binding, the access point will automatically apply the group configuration.

The screenshot shows the Navijin web interface for configuring Multiple SSIDs. The interface includes a sidebar with navigation options and a main content area with a table of configurations.

Navigation Menu:

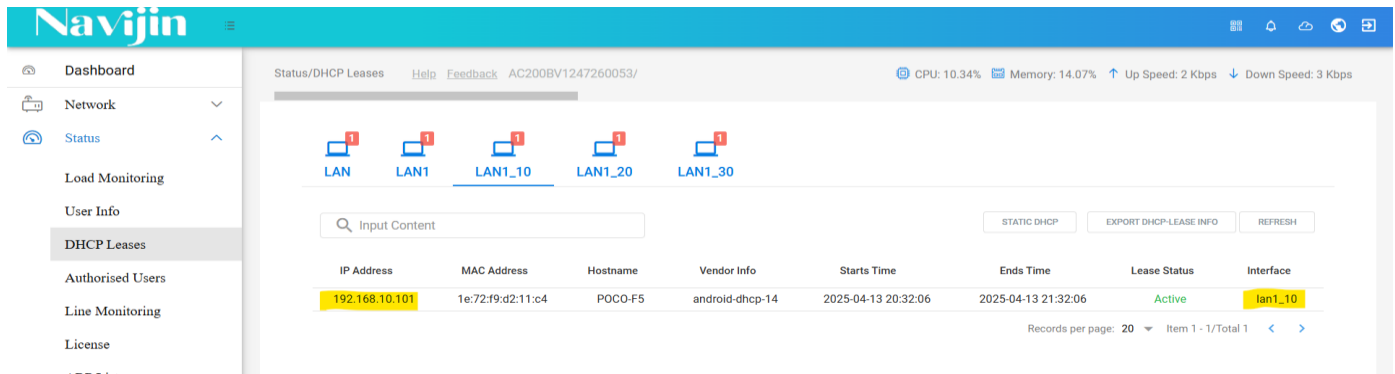
- Dashboard
- Wizard
- Mesh
- Network
- Wireless
- System
- Advanced
 - Radio
 - Access Controller
 - Multiple SSID**
 - WiFi Schedule
 - Ping Watchdog

Multiple SSID Configuration Table:

SSID	Encryption	PSK Password	HideSSID	Radio	VLAN	Operation
Guest	WPA2-PSK(TKIP,CCMP)	guest123	NO	2.4G	30	Delete
Office	WPA2-PSK(TKIP,CCMP)	office123	NO	2.4G	20	Delete
Navijin	WPA2-PSK(TKIP,CCMP)	navijin123	NO	2.4G	10	Delete
Guest	WPA2-PSK(TKIP,CCMP)	guest123	NO	5G	30	Delete
Office	WPA2-PSK(TKIP,CCMP)	office123	NO	5G	20	Delete
Navijin	WPA2-PSK(TKIP,CCMP)	navijin123	NO	5G	10	Delete

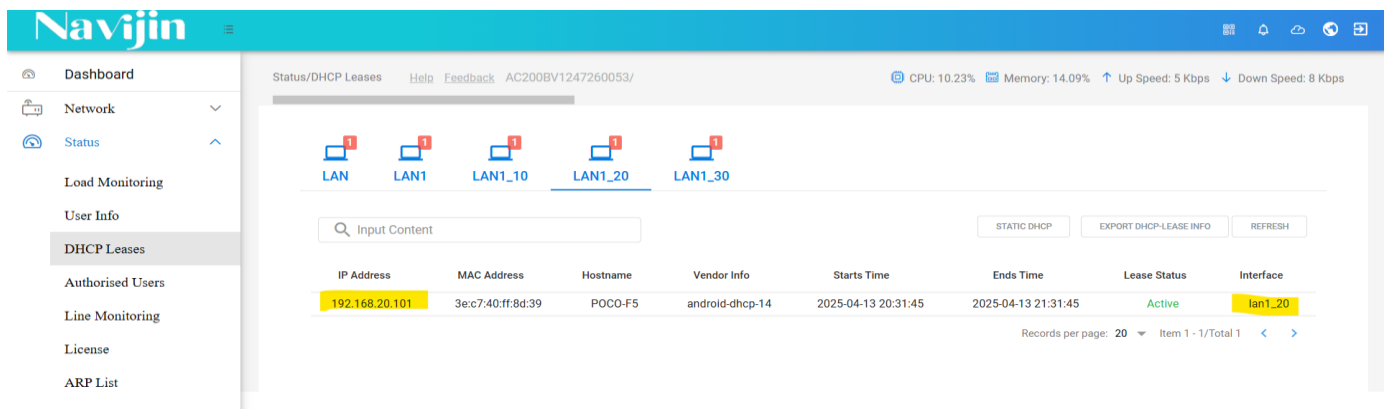
14. Checking Connected Clients

14.1. Go to **Status > DHCP Leases** to verify that connected devices receive IP addresses and are assigned to the correct VLANs based on their SSID.



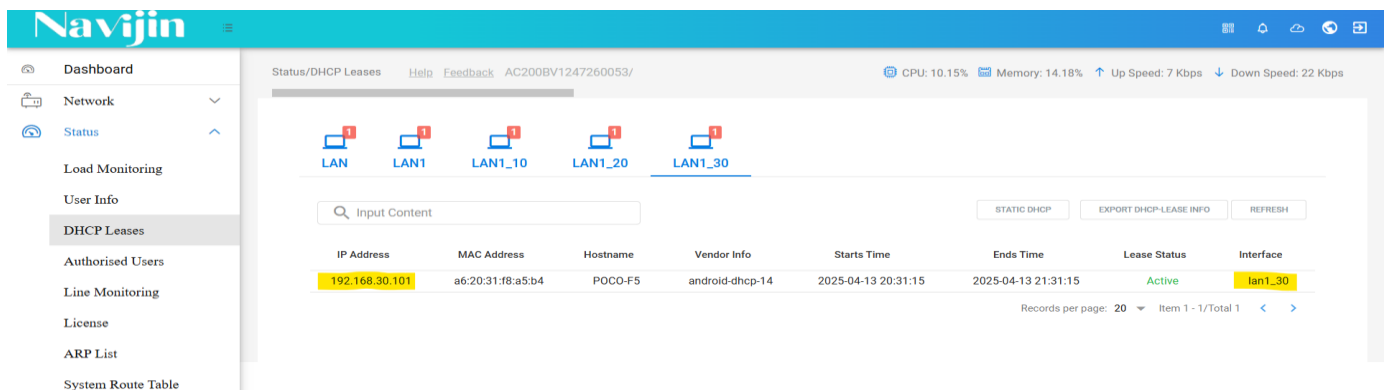
The screenshot shows the Navijin web interface for DHCP Leases. The left sidebar includes Dashboard, Network, Status, Load Monitoring, User Info, DHCP Leases (selected), Authorised Users, Line Monitoring, License, and ARP List. The main content area displays a table of DHCP leases. The table has columns for IP Address, MAC Address, Hostname, Vendor Info, Starts Time, Ends Time, Lease Status, and Interface. One entry is visible: IP Address 192.168.10.101, MAC Address 1e:72:f9:d2:11:c4, Hostname POCO-F5, Vendor Info android-dhcp-14, Starts Time 2025-04-13 20:32:06, Ends Time 2025-04-13 21:32:06, Lease Status Active, and Interface lan1_10. The interface also shows network status icons for LAN, LAN1, LAN1_10, LAN1_20, and LAN1_30, and system metrics like CPU (10.34%), Memory (14.07%), and network speeds.

IP Address	MAC Address	Hostname	Vendor Info	Starts Time	Ends Time	Lease Status	Interface
192.168.10.101	1e:72:f9:d2:11:c4	POCO-F5	android-dhcp-14	2025-04-13 20:32:06	2025-04-13 21:32:06	Active	lan1_10



The screenshot shows the Navijin web interface for DHCP Leases. The left sidebar includes Dashboard, Network, Status, Load Monitoring, User Info, DHCP Leases (selected), Authorised Users, Line Monitoring, License, and ARP List. The main content area displays a table of DHCP leases. The table has columns for IP Address, MAC Address, Hostname, Vendor Info, Starts Time, Ends Time, Lease Status, and Interface. One entry is visible: IP Address 192.168.20.101, MAC Address 3e:c7:40:ff:8d:39, Hostname POCO-F5, Vendor Info android-dhcp-14, Starts Time 2025-04-13 20:31:45, Ends Time 2025-04-13 21:31:45, Lease Status Active, and Interface lan1_20. The interface also shows network status icons for LAN, LAN1, LAN1_10, LAN1_20, and LAN1_30, and system metrics like CPU (10.23%), Memory (14.09%), and network speeds.

IP Address	MAC Address	Hostname	Vendor Info	Starts Time	Ends Time	Lease Status	Interface
192.168.20.101	3e:c7:40:ff:8d:39	POCO-F5	android-dhcp-14	2025-04-13 20:31:45	2025-04-13 21:31:45	Active	lan1_20



The screenshot shows the Navijin web interface for DHCP Leases. The left sidebar includes Dashboard, Network, Status, Load Monitoring, User Info, DHCP Leases (selected), Authorised Users, Line Monitoring, License, ARP List, and System Route Table. The main content area displays a table of DHCP leases. The table has columns for IP Address, MAC Address, Hostname, Vendor Info, Starts Time, Ends Time, Lease Status, and Interface. One entry is visible: IP Address 192.168.30.101, MAC Address a6:20:31:f8:a5:b4, Hostname POCO-F5, Vendor Info android-dhcp-14, Starts Time 2025-04-13 20:31:15, Ends Time 2025-04-13 21:31:15, Lease Status Active, and Interface lan1_30. The interface also shows network status icons for LAN, LAN1, LAN1_10, LAN1_20, and LAN1_30, and system metrics like CPU (10.15%), Memory (14.18%), and network speeds.

IP Address	MAC Address	Hostname	Vendor Info	Starts Time	Ends Time	Lease Status	Interface
192.168.30.101	a6:20:31:f8:a5:b4	POCO-F5	android-dhcp-14	2025-04-13 20:31:15	2025-04-13 21:31:15	Active	lan1_30