

```
ssh admin@10.16.113.10
AVS(config-wavetunnel)# downstream
Downstream wave tunnel settings


| Description | Attribute Name | Current Value |
|-------------|----------------|---------------|
| Status      | enabled        | Enabled       |
| Channel     | channel        | 1             |


AVS(config-wavetunnel-downstream)# set channel 2
Set channel to 2
Downstream wave tunnel settings


| Description | Attribute Name | Current Value | Modified Value |
|-------------|----------------|---------------|----------------|
| Status      | enabled        | Enabled       |                |
| Channel     | channel        | 1             | 2              |


AVS(config-wavetunnel-downstream)# save
```

Config -> wavetunnel -> upstream

```
ssh admin@10.16.113.10
AVS(config-wavetunnel)# upstream
Upstream wave tunnel settings


| Description     | Attribute Name | Current Value  |
|-----------------|----------------|----------------|
| Status          | enabled        | Enabled        |
| Connection Name | ssid           | avb_newair8_06 |


AVS(config-wavetunnel-upstream)# set ssid avb_demo_06
Set ssid to avb_demo_06
Upstream wave tunnel settings


| Description     | Attribute Name | Current Value  | Modified Value |
|-----------------|----------------|----------------|----------------|
| Status          | enabled        | Enabled        |                |
| Connection Name | ssid           | avb_newair8_06 | avb_demo_06    |


AVS(config-wavetunnel-upstream)# save
```

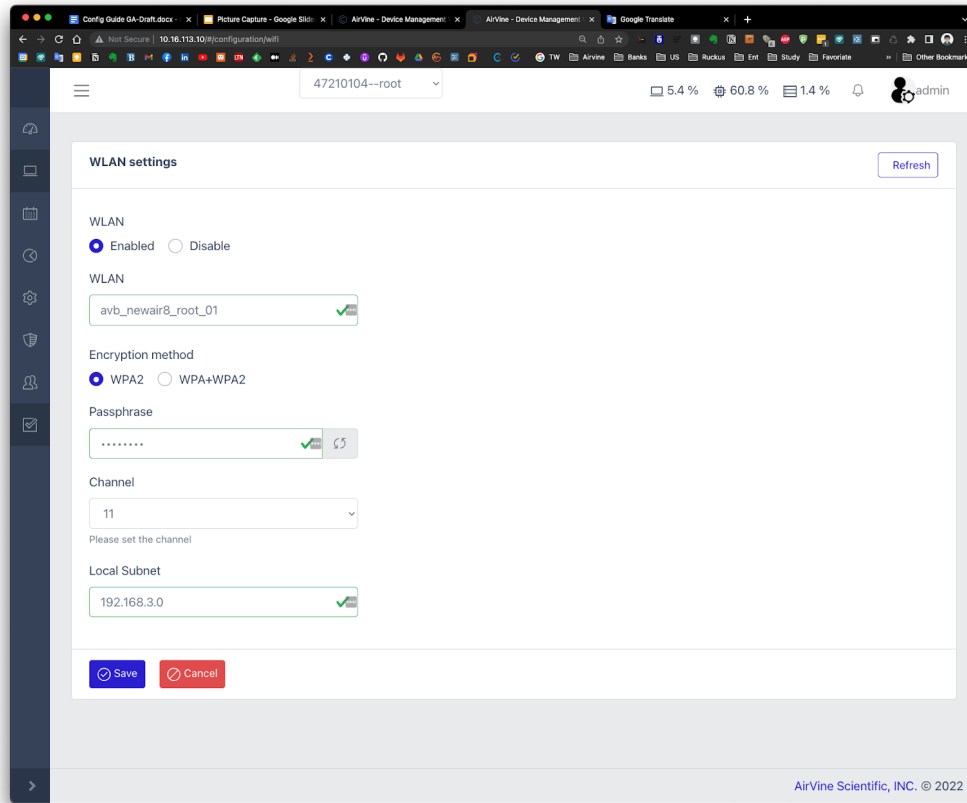
Update the Management WLAN

The management WLAN is mainly for the management purposes. You can change the settings according to your need. For example, you can disable the WLAN or change the default passphrase after the wave tunnel initialization for security considerations.

There are several attribute values you can change on this page. It includes enabled/disable, SSID name, encryption method, passphrase, channel and local subnet.

[WEB GUI]

Configuration -> Network -> Management WLAN



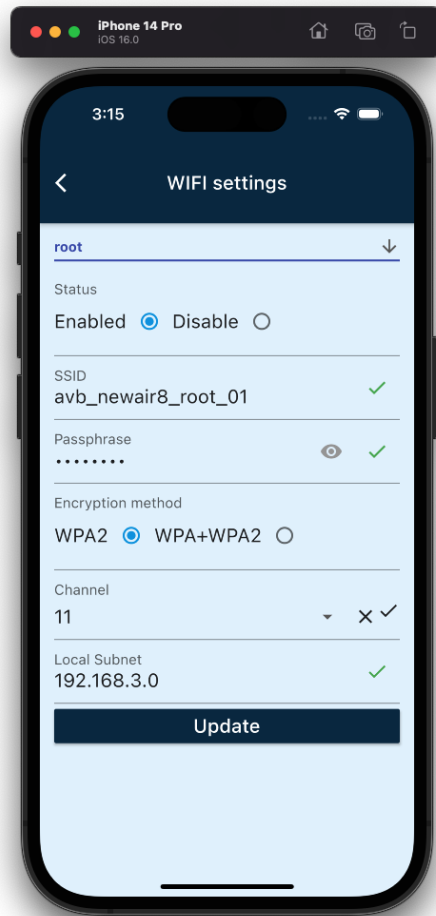
The screenshot displays the AirVine Web GUI interface for configuring WLAN settings. The browser address bar shows the URL `10.16.113.10/#configuration/wifi`. The page title is "WLAN settings" with a "Refresh" button. The settings are as follows:

- WLAN:** ☒ Enabled ☐ Disable
- WLAN:** (with a green checkmark icon)
- Encryption method:** ☒ WPA2 ☐ WPA+WPA2
- Passphrase:** (with a green checkmark icon and a copy icon)
- Channel:** (with a dropdown arrow and the text "Please set the channel")
- Local Subnet:** (with a green checkmark icon)

At the bottom, there are "Save" and "Cancel" buttons. The footer of the page reads "AirVine Scientific, INC. © 2022".

[Mobile App]

Settings -> WIFI settings



[CLI]
Config -> wifi

```
ssh admin@10.16.113.10
AVS(config)#
Help:
  device - Sub menu to configure the device settings
  ethernet - Sub menu to configure the ethernet settings
  wavetunnel - Sub menu to configure the wave tunnel settings
  wifi - Sub menu to configure the management WIFI settings
  persist - Save the running configuration permanently
  autoSave - Set if persist the running configuraitons automatically
  user - Sub menu to configure the User settings
  .. - Navigate up one category
  exit - Exit Command line interface

AVS(config)# wifi
Management WIFI settings
```

Description	Attribute Name	Current Value
Connection	enabled	Enabled
SSID	name	avb_newair8_root_01
Encryption method	encryption	WPA2
Passphrase	passphrase	airvine!
Channel	channel	11
Local subnet	subnet	192.168.3.0

```
AVS(config-wifi)#
```

```
AVS(config-wifi)# ll
Management WIFI settings
```

Description	Attribute Name	Current Value
Connection	enabled	Enabled
SSID	name	avb_newair8_root_01
Encryption method	encryption	WPA2
Passphrase	passphrase	airvine!
Channel	channel	11
Local subnet	subnet	192.168.3.0

```
AVS(config-wifi)# set channel 1
Set channel to 1
Management WIFI settings
```

Description	Attribute Name	Current Value	Modified Value
Connection	enabled	Enabled	
SSID	name	avb_newair8_root_01	
Encryption method	encryption	WPA2	
Passphrase	passphrase	airvine!	
Channel	channel	11	1
Local subnet	subnet	192.168.3.0	

```
AVS(config-wifi)# save
```

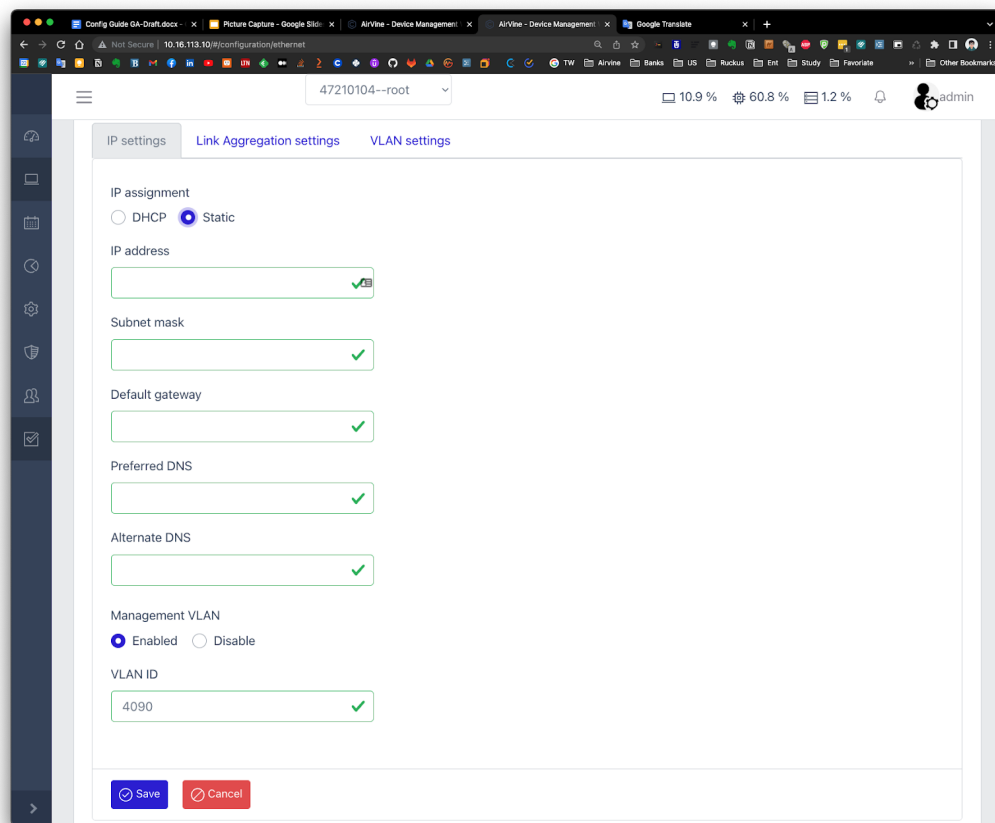
Update the Ethernet Configurations

Management IP settings

You can configure the management IP of the WaveTunnel device on this page. It includes the type of IP assignment, IP address, subnet mask, default gateway and management VLAN.

[WEB GUI]

Configuration-> Network ->Ethernet ->IP settings



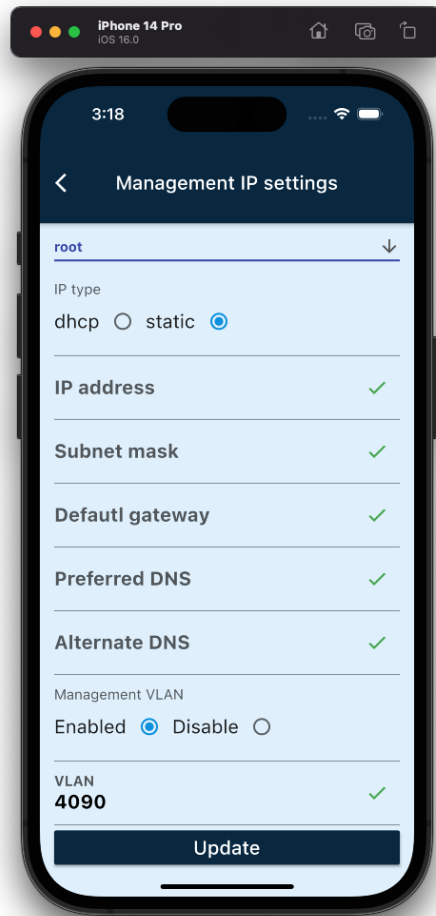
The screenshot displays the WaveTunnel Web GUI interface for configuring IP settings. The browser address bar shows the URL `10.16.113.10/#configuration/ethernet`. The page title is "47210104--root". The user is logged in as "admin". The navigation menu on the left includes options like "Home", "Network", "System", "Security", "User", and "Log". The main content area is titled "IP settings" and includes tabs for "Link Aggregation settings" and "VLAN settings". The configuration fields are as follows:

- IP assignment:** Radio buttons for "DHCP" and "Static" (selected).
- IP address:** Text input field with a green checkmark.
- Subnet mask:** Text input field with a green checkmark.
- Default gateway:** Text input field with a green checkmark.
- Preferred DNS:** Text input field with a green checkmark.
- Alternate DNS:** Text input field with a green checkmark.
- Management VLAN:** Radio buttons for "Enabled" (selected) and "Disable".
- VLAN ID:** Text input field with the value "4090" and a green checkmark.

At the bottom of the form, there are "Save" and "Cancel" buttons.

[Mobile App]

Settings-> Management



[CLI]
Confg ->ethernet-> management

```

AVS(config)#
Help:
  device - Sub menu to configure the device settings
  ethernet - Sub menu to configure the ethernet settings
  wavelunnel - Sub menu to configure the wave tunnel settings
  wifi - Sub menu to configure the management WIFI settings
  persist - Save the running configuration permanently
  autoSave - Set if persist the running configuraitons automatically
  user - Sub menu to configure the User settings
  .. - Navigate up one category
  exit - Exit Command line interface

AVS(config)# ethernet
AVS(config-ethernet)# management

Ethernet IP settings


| Description            | Attribute Name     | Current Value |
|------------------------|--------------------|---------------|
| IP assignment          | ipType             | DHCP          |
| Preferred DNS          | primaryDnsServer   |               |
| Alternate DNS          | secondaryDnsServer |               |
| Management vlan enable | mgmtVlanEnabled    | Disable       |



AVS(config-ethernet-ip)#

```

```
ssh admin@10.16.113.10
AVS(config-ethernet-ip)# ll
Ethernet IP settings


| Description            | Attribute Name     | Current Value |
|------------------------|--------------------|---------------|
| IP assignment          | ipType             | DHCP          |
| Preferred DNS          | primaryDnsServer   |               |
| Alternate DNS          | secondaryDnsServer |               |
| Management vlan enable | mgmtVlanEnabled    | Disable       |


AVS(config-ethernet-ip)# set ipType static
Set ipType to static
Ethernet IP settings


| Description            | Attribute Name     | Current Value | Modified Value  |
|------------------------|--------------------|---------------|-----------------|
| IP assignment          | ipType             | DHCP          | static (Static) |
| IP address             | ip                 |               |                 |
| Subnet mask            | submask            |               |                 |
| Default gateway        | gateway            |               |                 |
| Preferred DNS          | primaryDnsServer   |               |                 |
| Alternate DNS          | secondaryDnsServer |               |                 |
| Management vlan enable | mgmtVlanEnabled    | Disable       |                 |


AVS(config-ethernet-ip)# save
```

Link aggregation settings

If your backend switch supports link aggregation, you can configure ethernet ports on this page. Select the LAG type and the ports want to be aggregated. The LAG interface also supports trunk vlans and native vlan. For trunk vlans,it can be a range of vlan id. For example, 2,3,4-8.

[WEB GUI]

Configuration-> Network ->Ethernet ->Link aggregation settings

Ethernet settings

Refresh

IP settings

Link Aggregation settings

VLAN settings

LAG settings

Link Aggregation

☒ Enabled ☐ Disable

Mode

☐ active-backup ☒ static ☐ 802.3ad

Members

☐ Port 1 ☐ Port 2 ☐ Port 3 ☐ Port 4

Trunk port vlans

☒ Enabled ☐ Disable

Trunk VLANs

100

✓

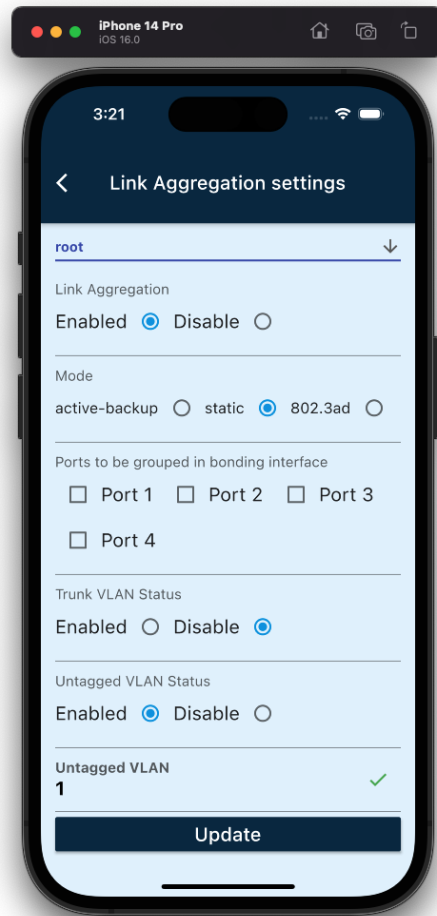
Native Untagged vlan

☐ Enabled ☒ Disable

Save

Cancel

[Mobile App]
Settings -> LAG



[CLI]
Config -> ethernet -lag

```

AVS(config-ethernet)#
Help:
  management - Configure the management IP settings
  lag - Configure the Ethernet LAG settings
  port1 - Configure the Ethernet Port 1 settings
  port2 - Configure the Ethernet Port 2 settings
  port3 - Configure the Ethernet Port 3 settings
  port4 - Configure the Ethernet(management) Port 4 settings
  internal - Configure the Internal IP settings
  ... - Navigate up one category
  exit - Exit Command line interface

AVS(config-ethernet)# lag
Ethernet LAG settings


| Description      | Attribute Name | Current Value |
|------------------|----------------|---------------|
| Link aggregation | enabled        | Disable       |


AVS(config-ethernet-lag)#

```

```
ssh admin@10.16.113.10
AVS(config-ethernet-lag)#
Help:
    ll - List out the supported attributes
    set - Set the configuration attributes
    save - Save the configuration
    .. - Navigate up one category
    exit - Exit Command line interface

AVS(config-ethernet-lag)# ll
Ethernet LAG settings


| Description      | Attribute Name | Current Value |
|------------------|----------------|---------------|
| Link aggregation | enabled        | Disable       |



AVS(config-ethernet-lag)# set enabled true
Set enabled to true

Ethernet LAG settings


| Description              | Attribute Name   | Current Value | Modified Value |
|--------------------------|------------------|---------------|----------------|
| Link aggregation         | enabled          | Disable       | true (Enabled) |
| Mode                     | mode             | static        |                |
| Members (e.g. '1,2,3,4') | members          |               |                |
| Trunk vlan status        | tagVlanEnabled   | Disable       |                |
| Untagged vlan status     | unTagVlanEnabled | Disable       |                |



AVS(config-ethernet-lag)# save
```

Ethernet Port and VLAN settings

You can configure the ethernet port settings on this page. Enable/Disable the ethernet port or change the vlan settings. The ethernet port support trunk vlans and native vlan. For trunk vlans, it can be a range of vlan id. For example, 2,3,4-8. The port 4 can be enabled to be the dedicated management interface.

[WEB GUI]

Configuration-> Network -> Ethernet -> VLAN settings

Ethernet settings
Refresh

IP settings
Link Aggregation settings
VLAN settings

Ethernet Port Configurations

Port Name	Port Enabled	Management Port	Management Vlan	Trunk Vlans	Untagged Vlan	
Port 1	Yes	No	N/A	N/A	N/A	Edit
Port 2	Yes	No	N/A	N/A	N/A	Edit
Port 3	Yes	No	N/A	N/A	N/A	Edit
Port 4/Mgmt Port	Yes	No	N/A	N/A	N/A	Edit

Click “edit” to configure the specific port

Port 1 configurations

Port

☒ Enabled
☐ Disable

Trunk port vlans

☒ Enabled
☐ Disable

Trunk VLANs

☒

Native Untagged vlan

☒ Enabled
☐ Disable

Untagged VLAN

☒

Port 4/Mgmt Port configurations

Port

☒ Enabled ☐ Disable

Management port

☒ Enabled ☐ Disable

☒ Save ☐ Cancel

Port 4 can be configured as the dedicated management port.

[Mobile App]
Settings -> Ports

