MAHAVIR SHREE INTERNATIONAL

Altum AC 600

Introduction

This manual covers the operation of the Altum AC wireless radio user interface. The radio can be operated as a point-to-point (PtP) system, a point to multipoint (PmP) system, or a point to point with 2.4 GHz Wifi hotspot. The radio settings and mode of operation are controlled with a web based user interface that is run from any standard web browser.

System requirements:

Operating System: Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Linux, or Mac OS X.

Web Browser: Mozilla Firefox, Google Chrome, Apple Safari, or Microsoft Internet Explorer 8 or above.

Getting started with:

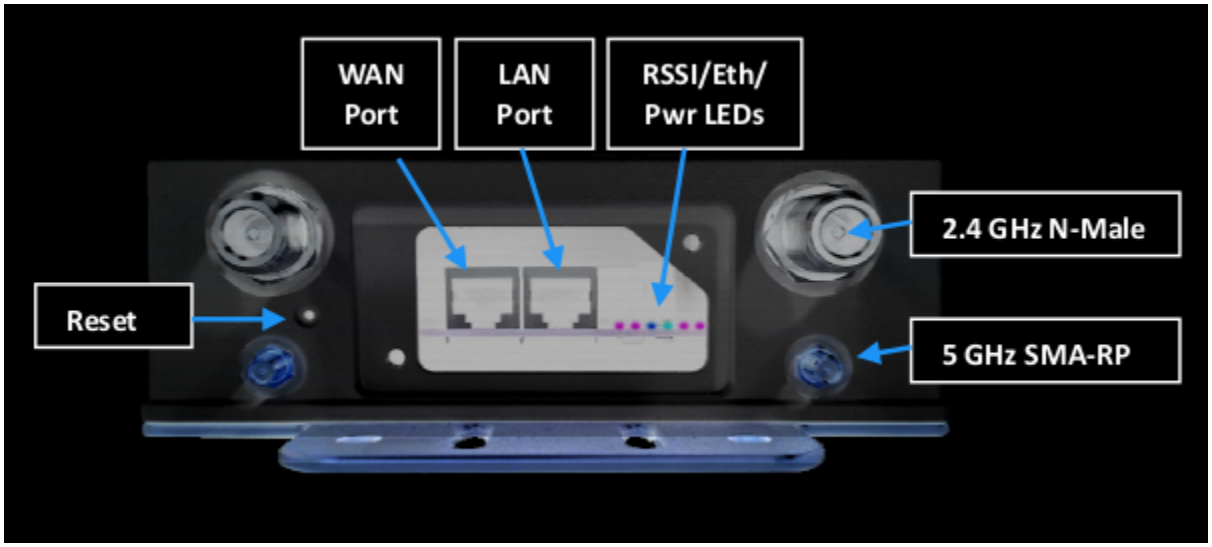


Figure: Altum AC interface

Before establishing a link several parameters must be configured using the web interface. To access the web interface, perform the following steps:

1. Connect the local area network (LAN) port of the radio to the PoE port of the PoE Injector using a Cat5e Ethernet cable. Plug the PoE into the AC power source. The rightmost LED on the radio should illuminate, indicating the unit is booting up.

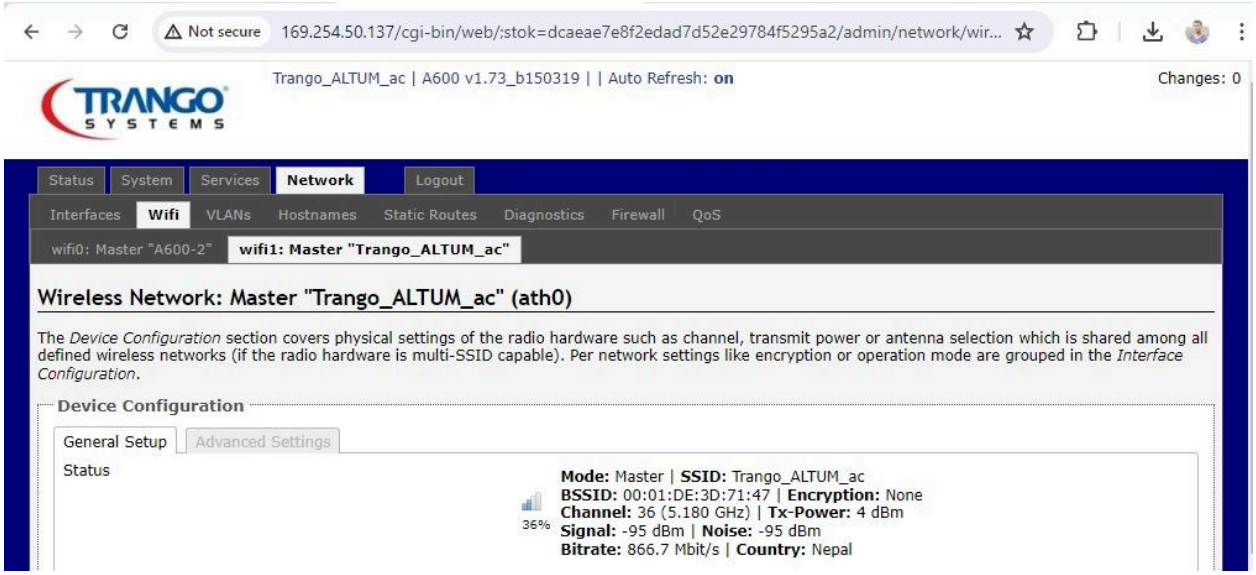
2. Connect the network port of your computer to the PoE injector network port using a Cat5e Ethernet cable.

For linux system:
Go to system > preference > internet and network > Advanced network configuration
Go to ethernet
Assign static ip address 169.254.50.150 for your computer
Assign subnet mask 255.255.255.0
Go to the terminal and write the command below to restart the networkmanager.
sudo service NetworkManager restart

For window system
Go to the internet and network and assign the same ip address and subnet mask for static configuration as similar
Assign static ip address 169.254.50.150 for your computer
subnet mask 255.255.255.0

3. Launch a web browser and enter the default IP address of the radio,169.254.50.137, into the address bar.
Authorization required shows:
Provide username and password:
Username: admin
Password: trango

The radio's configuration default web page should be presented.



Please configure the access point first.

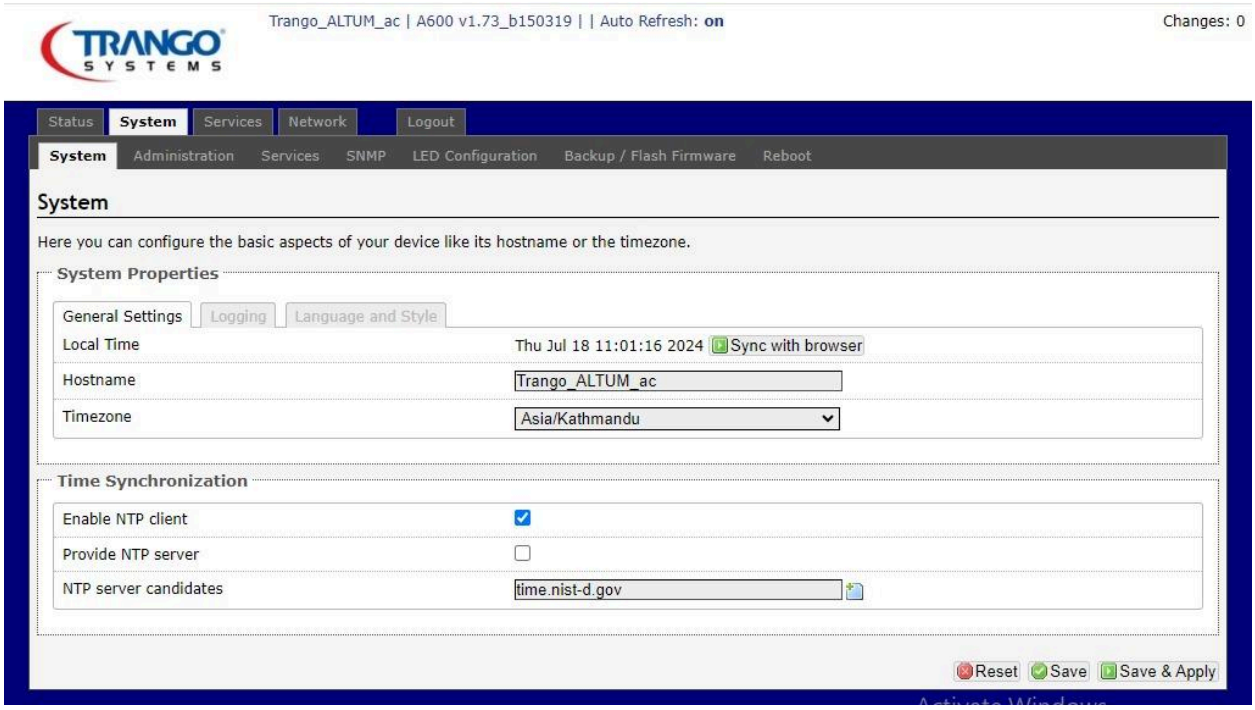
Access point configuration for Trango with mac address 00:01:DE:3D:71:47.

Check ping:

Command Prompt

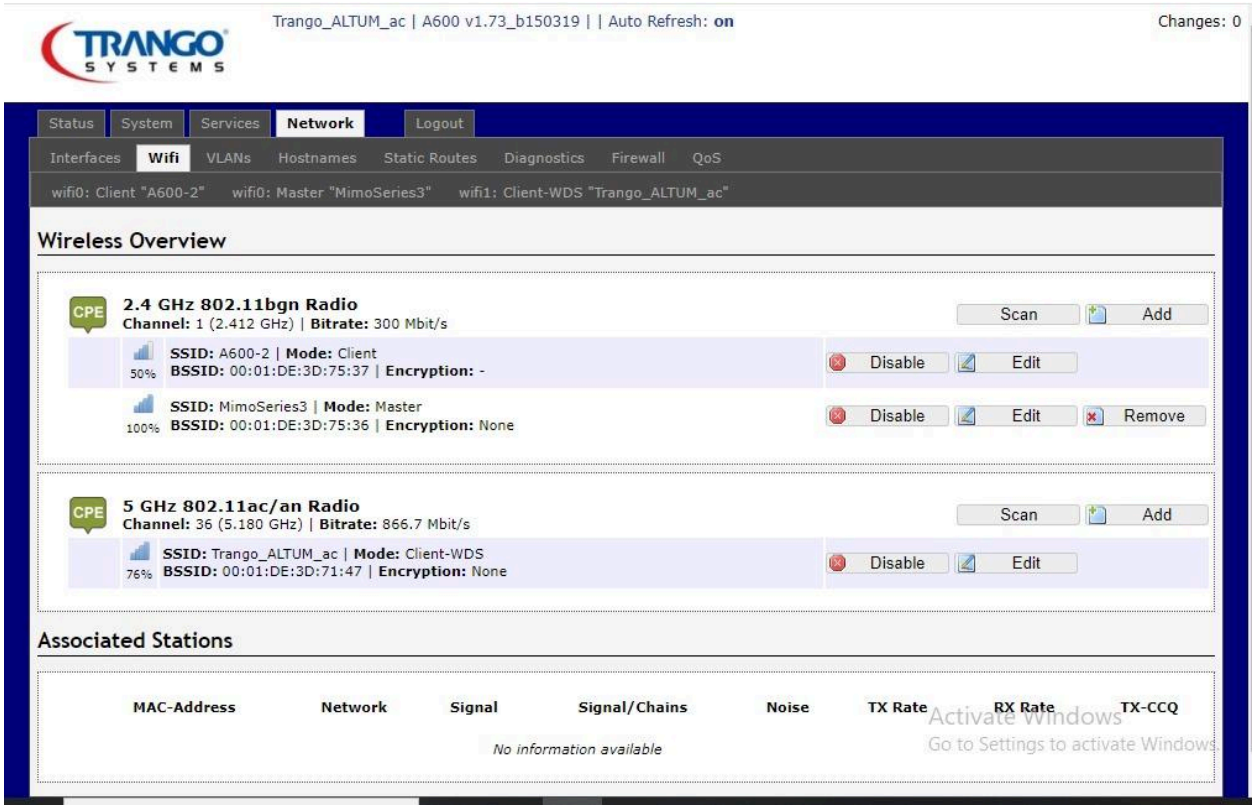
```
C:\Users\Acer> ping169.254.50.137
'ping169.254.50.137' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Acer> ping169.254.50.137
'ping169.254.50.137' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Acer> ping 169.254.50.137

Pinging 169.254.50.137 with 32 bytes of data:
Reply from 169.254.50.137: bytes=32 time=10ms TTL=64
Reply from 169.254.50.137: bytes=32 time=1ms TTL=64
Reply from 169.254.50.137: bytes=32 time<1ms TTL=64
Reply from 169.254.50.137: bytes=32 time=1ms TTL=64

Ping statistics for 169.254.50.137:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 10ms, Average = 3ms

C:\Users\Acer>
C:\Users\Acer> ping 169.254.50.137

Pinging 169.254.50.137 with 32 bytes of data:
Reply from 169.254.50.137: bytes=32 time=2ms TTL=64
Reply from 169.254.50.137: bytes=32 time<1ms TTL=64
Reply from 169.254.50.137: bytes=32 time<1ms TTL=64
Reply from 169.254.50.137: bytes=32 time=2ms TTL=64

Ping statistics for 169.254.50.137:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 2ms, Average = 1ms

C:\Users\Acer>
```

step1> go to 169.254.50.137 at the web browser the default page will open and provide a time zone of your location.



Then click save and apply

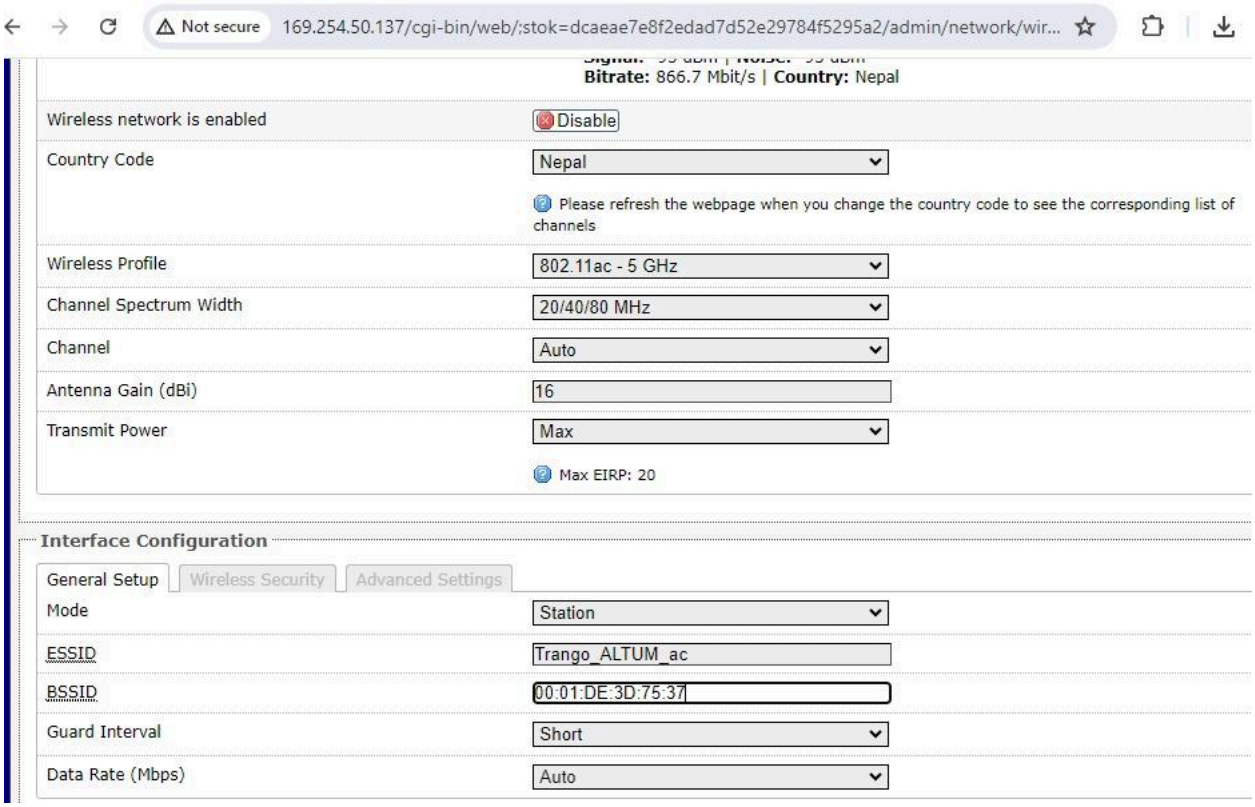
step2> Then, click network tab and go with interface and wifi
Select 5 ghz 802.11ac with edit option



step3> click interface configuration and choose access point (WDS) wireless distribution system

Click save and apply with default ESSID:Trango-ALTUM-ac

step4> reload the page at top of the browser 1 time and select continue.
Put mac address(BSSID)of station ie 00:01:DE:3D:75:37

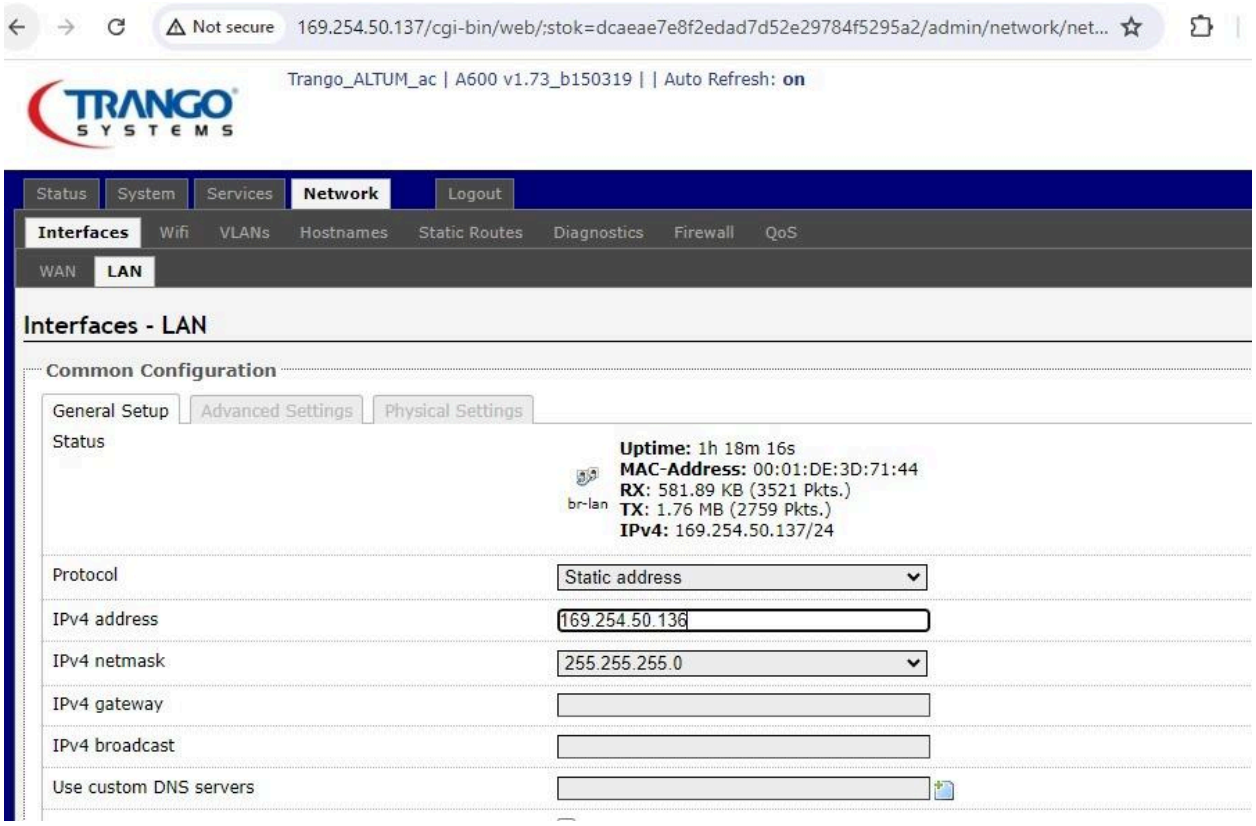


Click save and apply

After save and apply it takes some time to save in memory and link get started with ssid name Trango-ALTUM-ac.

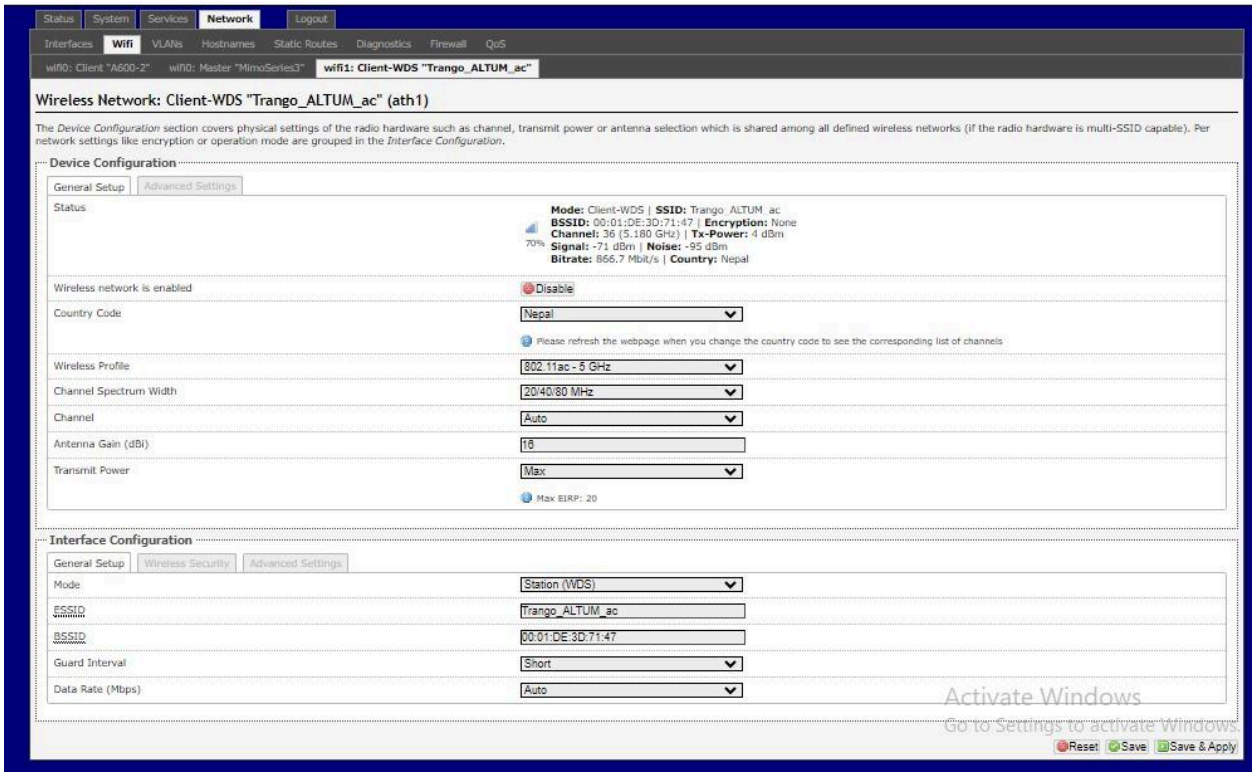
Station configuration for trango with mac 00:01:DE:3D:75:37.
Connect the lan port of adaptor with ethernet port of your computer to station trango

Go to lan interface and change ip address 169.254.50.136



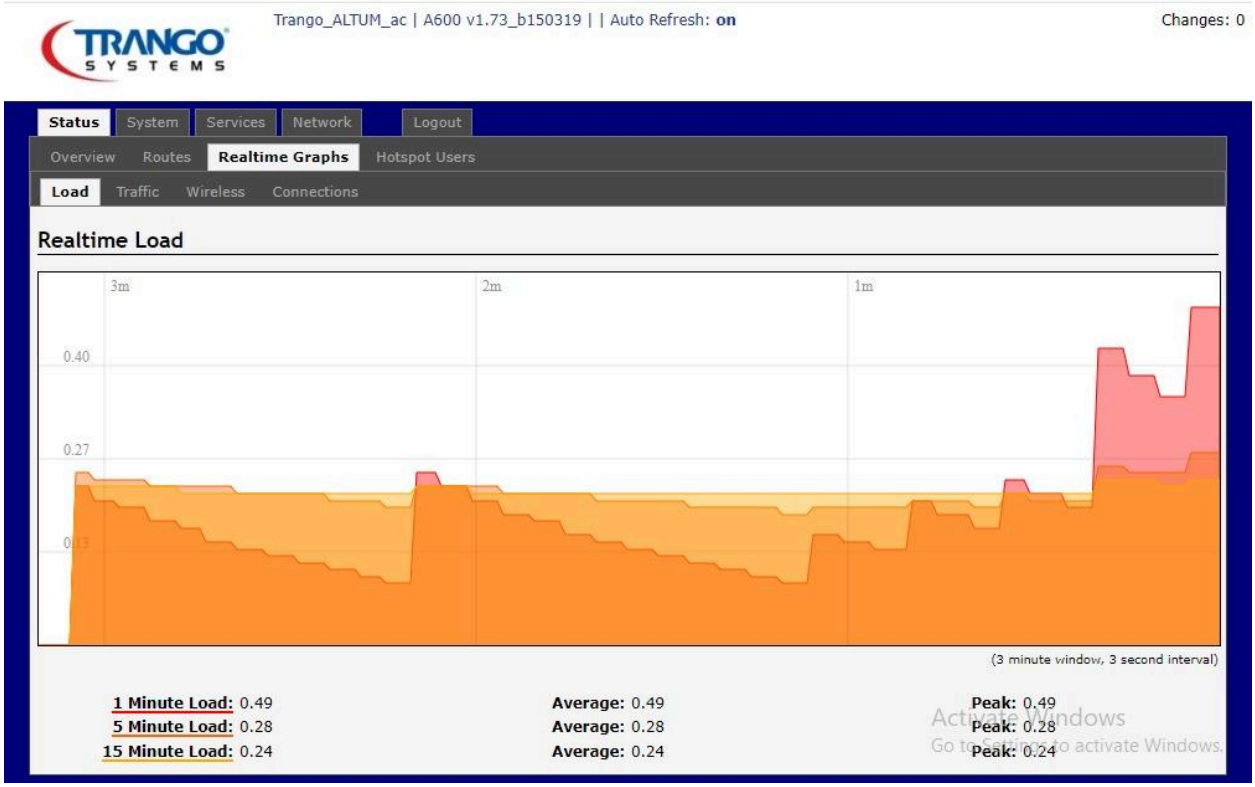
step1> click network tab and go with interface and wifi
Select 5 ghz 802.11ac with edit option
step2> click interface configuration and choose station WDS
Click save and apply with default ESSID:Trango-ALTUM-ac

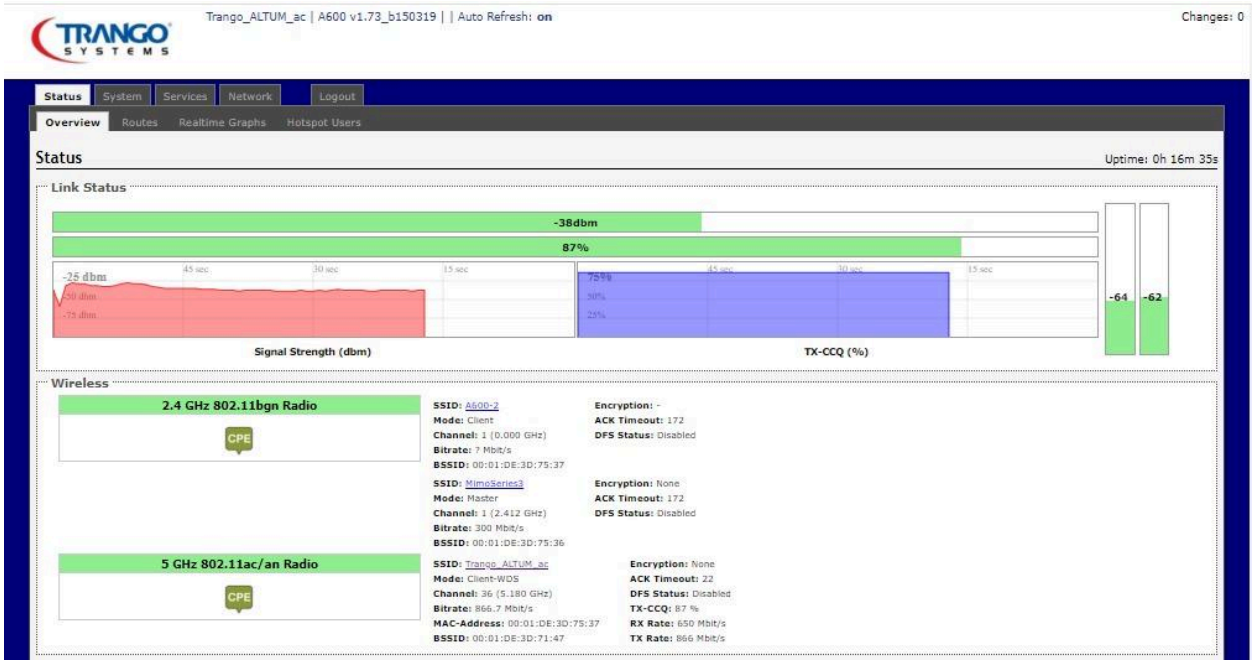
step3> reload the page at top of the browser 1 time and select continue.
Put mac address of station ie 00:01:DE:3D:71:47

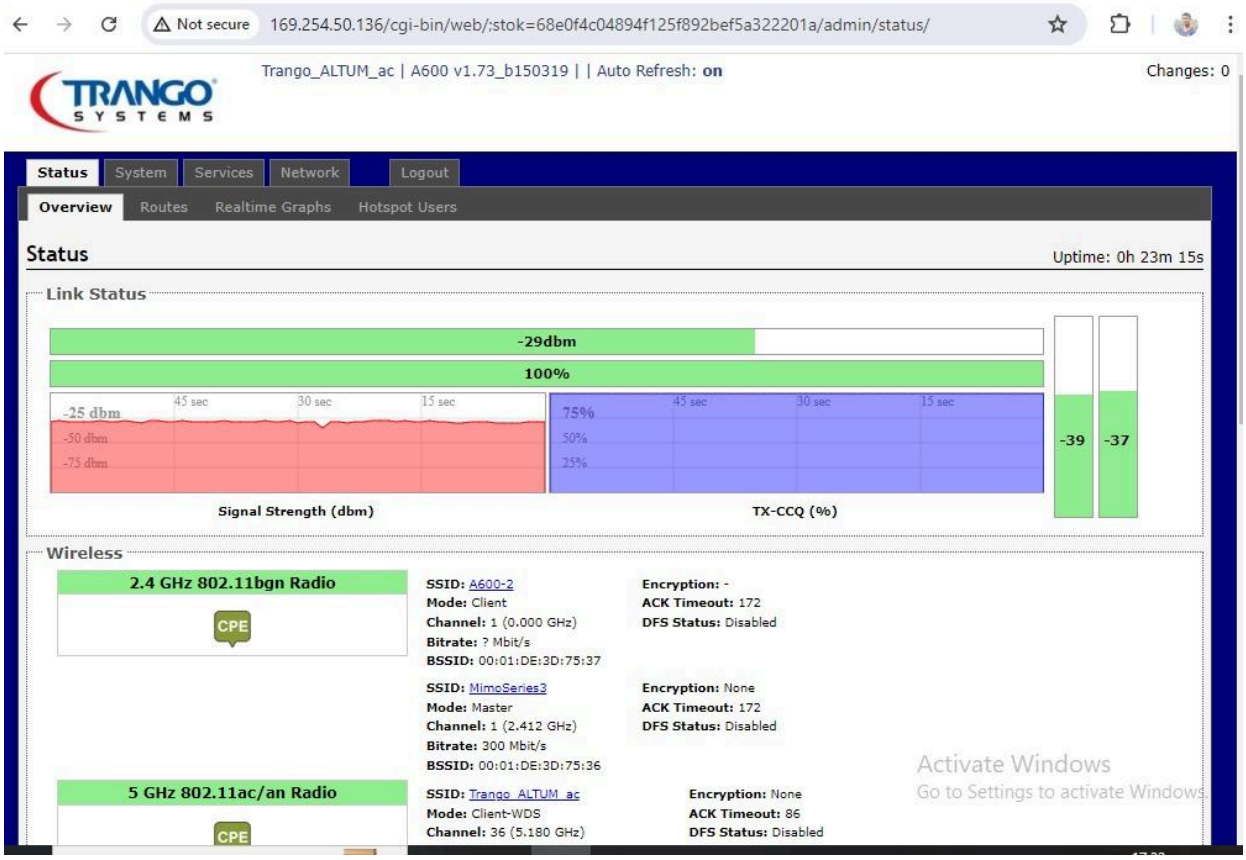


Click save and apply

Now connect 2 devices on same computer and load the two page for 169.254.50.136(for station) 169.254.50.137 (For access point)
Then the link is established.


Trango_ALTUM_ac | A600 v1.73_b150319 | | Auto Refresh: on
Changes: 0
Status
System
Services
Network
Logout
Overview
Routes
Realtime Graphs
Hotspot Users
Load
Traffic
Wireless
Connections
Realtime Load
3m
2m
1m
0.40
0.27
0.13
(3 minute window, 3 second interval)
1 Minute Load: 0.49
5 Minute Load: 0.28
15 Minute Load: 0.24
Average: 0.49
Average: 0.28
Average: 0.24
Peak: 0.49
Peak: 0.28
Peak: 0.24
Activate Windows
Go to Settings to activate Windows.


Trango_ALTUM_ac | A600 v1.73_b150319 | | Auto Refresh: on
Changes: 0
Status
System
Services
Network
Logout
Overview
Routes
Realtime Graphs
Hotspot Users
Status
Uptime: 0h 16m 35s
Link Status
-38dbm
87%
-25 dbm
-50 dbm
-75 dbm
45 sec
30 sec
15 sec
75%
50%
25%
-64
-62
Signal Strength (dbm)
TX-CCQ (%)
Wireless
2.4 GHz 802.11bgn Radio
CPE
SSID: A600-2
Mode: Client
Channel: 1 (0.000 GHz)
Bitrate: 7 Mbit/s
BSSID: 00:01:DE:3D:75:37
Encryption: -
ACK Timeout: 172
DFS Status: Disabled
SSID: MimoSeries3
Mode: Master
Channel: 1 (2.412 GHz)
Bitrate: 300 Mbit/s
BSSID: 00:01:DE:3D:75:36
Encryption: None
ACK Timeout: 172
DFS Status: Disabled
5 GHz 802.11ac/an Radio
CPE
SSID: Trango_ALTUM_ac
Mode: Client-WDS
Channel: 36 (5.180 GHz)
Bitrate: 866.7 Mbit/s
MAC-Address: 00:01:DE:3D:75:37
BSSID: 00:01:DE:3D:71:47
Encryption: None
ACK Timeout: 22
DFS Status: Disabled
TX-CCQ: 87 %
RX Rate: 650 Mbit/s
TX Rate: 866 Mbit/s



In this way, you can communicate with two trango devices. One configured as an access point and one as a station.