OBS: Auto Connect Coral with TP Link Router

Problem Statement:

Our coral for tracking antenna creates hotspot. At the same time it is not able to connect with Wifi (TPLink Router)

Prequisite:

Hardware: Wirelsess keyboard and mouse.

OR

ssh connection:

step 1: Connect the coral in the same network.

step 2: type ssh mendel@192.168.10.11

step 3: enter password : mendel

Steps For Coral Configuration for Auto Connect'

How to access coral Interface?

\$ ssh mendel@192.168.10.11

Step1. Open terminal in coral and run following commands

\$sudo nano /etc/netwok/interfaces
sudo nano /etc/hostapd/hostapd.conf
reboot

comment all the codes written inside the above files.

type command

\$nmtui

Choose

Activate Connection

SSID: MR/MR10 X8/23/18

Mode: Client

Security:

select: WPA & WPA2 Personal

P@sswOrd@123

IPV4 Configuration

IPV6 Configuration

Ticked: Automatically connect

Ticked: Available to all users

then click on OK

type 'reboot' command on terminal

Screenshot from 2023-03-09 18-12-12reboot

Verify the automatic connection is ready or not:

nmtui

MFO configuration:(Laptop)

Step1. Connect laptop with SSID MR/MR10_X8/23/19

Step2. Go to Settings > Comm Links > Add > UDP with listening port : 23001

Router Static IP Configuration

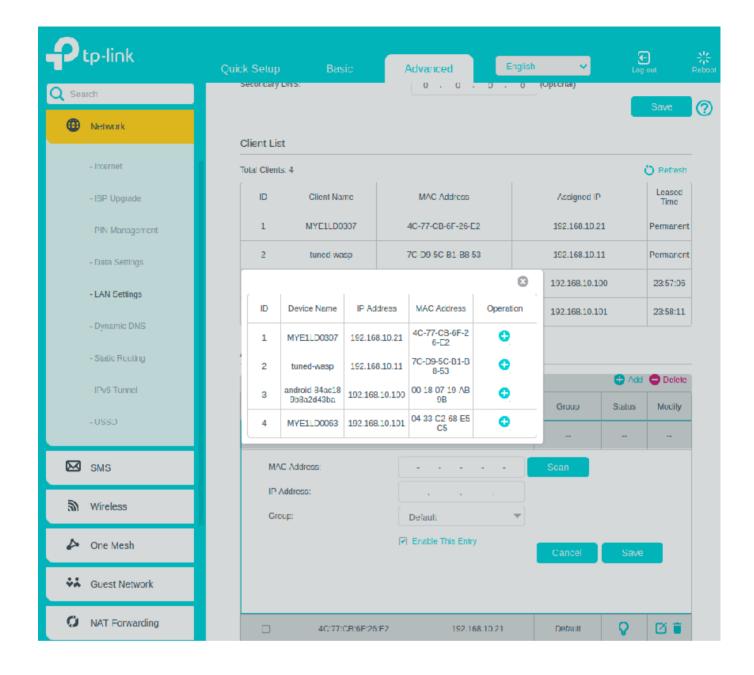
Steps: Open Browser and type ip address of router

ex: 192.168.10.1 or 192.168.1.1

Enter Router password: P@sswOrd@123

Advance Setting > Network > LAN Settings click on Add > Scan > modify the ip **below address will be configured** Router ip: 192.168.10.1 Coral Tracking antenna ip: 192.168.10.11 Laptop Ip: 192.168.10.21 Remote Controller (Ground Unit): 192.168.10.31

Follow using UI are as follows.



Connect router and click on Advanced > LAN Settings > Click on Add Button

Then click on "Scan" button

We can see the list of editable ip will be displayed on the screen.

Client List Total Clients: 4 C Retresh Leased ID Client Name MAC Address Assigned IP Time Permanent 1 MYE1LD0307 4C-77-CB-6F-26-E2 192.188.10.21 2 tuned-wasp 7C-D9-5C-B1-B8-53 192.168.10.11 Permanent android-84ac189b8a2d 3 00-18-07-19-AB-9B 192.168.10.100 23:57:06 43ba 4 MYE1LD0063 04-33-C2-58-E5-C5 23:58:11 192.168.10.101 Address Reservation 4 Add Delete MAC Address Reserved IP Address Status Group Modify **VAC Address:** 00 - 18 - 07 - 19 - AB - 9B IP Address: 192 . 168 . 10 . 100 Group: Default Enable This Entry

Select an ip and then edit as per the document and click on "Save" button and after then reboot the router.