

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)

Prerequisite:

Hardware: Wirelless 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 18-12-12 *reboot*

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.

Quick Setup

Basic

Advanced

English

Log out

Reboot

Search

Network

- Internet
- ISP Upgrade
- PIN Management
- Data Settings
- LAN Settings
- Dynamic DNS
- Static Routing
- IPv6 Tunnel
- USSD

SMS

Wireless

One Mesh

Guest Network

NAT Forwarding

Secondary DNS: 0 . 0 . 0 . 0 (Optional)

Save

Client List

Total Clients: 4

Refresh

ID	Client Name	MAC Address	Assigned IP	Leased Time
1	MYE1LD0307	4C-77-CB-6F-26-E2	192.168.10.21	Permanent
2	tuned-wasp	7C-D9-5C-B1-B8-53	192.168.10.11	Permanent
			192.168.10.100	23:57:05
			192.168.10.101	23:58:11

+

 Add

-

 Delete

Group	Status	Modify
--	--	--

MAC Address:

IP Address:

Group:

☒ Enable This Entry

Scan

Cancel

Save

<input type="checkbox"/>	4C:77:CB:6F:26:E2	192.168.10.21	Default		
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ID

Device Name

IP Address

MAC Address

Operation

1

MYE1LD0307

192.168.10.21

4C-77-CB-6F-26-E2

+

2

tuned-wasp

192.168.10.11

7C-D9-5C-B1-B8-53

+

3

android 84ac189b3a2d43ba

192.168.10.100

00 18 07 19 AB 9B

+

4

MYE1LD0063

192.168.10.101

04 33 C2 68 E5 C5

+

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

 Refresh

ID	Client Name	MAC Address	Assigned IP	Leased Time
1	MYE1LD0307	4C-77-CB-6F-26-E2	192.168.10.21	Permanent
2	tuned-wasp	7C-D9-5C-B1-B8-53	192.168.10.11	Permanent
3	android-84ac189b8a2d43ba	00-18-07-19-AB-9B	192.168.10.100	23.57.06
4	MYE1LD0063	04-33-C2-83-E5-C5	192.168.10.101	23.58.11

Address Reservation

 Add  Delete

<input type="checkbox"/>	MAC Address	Reserved IP Address	Group	Status	Modify
--	--	--	--	--	--

MAC Address:

00 - 18 - 07 - 19 - AB - 9B

Scan

IP Address:

192 . 168 . 10 . 100

Group:

Default

☒ Enable This Entry

Cancel

Save

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