Router Guidelines

Our Alpha series devices are low level internet data devices operating at 2.4GHz. The device can only operate using an IPv4 address.

When setting up the WiFi access point, it is recommended to set a secure password, and also advised do not share the same WiFi access to public. Needed a individual 2.4GHz WiFi should be set up and can be share with example (CCTV ,Machine wifi and other related) only. Do not share with unwanted guests can able to access our devices and attempt any attack.

Router/AP Recommendations

When selecting a router ensure that the router has the suitable range and supports the number of devices of the specific outlet. It is always advised to select a router that can handle a higher number of devices to ensure proper stability.

Here are a few list of recommended Router/AP:

- Fiber Optic
  - TP-Link Archer C24
  - TP-Link Archer C80
  - TP-Link Archer AX12
  - TP-Link Archer AX73
- 4G
  - TP-Link MR6400
  - TP-Link MR200

Access Point Recommendations

For bigger space outlet with a higher number of devices example (20>25) ,recommended a separate access point should be added from router to improve weak WiFi coverage and able to support devices.

Here are a few list of recommended Access Point:

- TP-Link EAP110
- TP-Link EAP115

Troubleshooting Routers

1. If using 4G Modem, ensure device is located in an area with a good signal. (Mostly in an open space or the front of the outlet)
2. Ensure access points *WiFi router* are installed roughly in the center of all the devices with minimal blockage between the device and access point.
3. Ensure router is up to date with the latest firmware from the manufacturer.
4. Occasionally factory resetting the WiFi router helps to stabilize the router and delete any unwanted settings previously set.
5. If the router supports, set an auto reboot function for the router to reboot at low peak usage times.
6. If router is old and outdated, please consider replacing with a new router.
7. Ensure selected network provider has good stable network at location. (Try different providers if using 4G Modem

> Use the network testing page, to act as a benchmark to verify the network stability. If network connectivity issues persist, use a network logging device to monitor the network stability of the network provider.

Revision #5
Created 2025-01-03 08:56:10 UTC by Khayhen
Updated 2025-03-05 04:18:21 UTC by KUNA