



MINIMUM NETWORK REQUIREMENTS FOR WI-FI AND PRO SERIES CEILING SPEAKERS



Follow this checklist to ensure you have the minimum network requirements to secure optimal audio performance from your Wi-Fi and Pro Series ceiling speakers.

Powering:

The speaker is supplied with a 100-240V AC Adaptor which can be powered by connecting to:

- Existing lighting circuit using a **fused spur (with 3A Fuse)** or dedicated supply.
- Standard Plug socket
- PoE++ Powered for **Pro Series ONLY**, you can power directly from **PoE 60W Injector (PoE Add on Required)** Standard: IEEE 802.3bt to deliver up to 60W of power to each speaker.

Internet Speed:

- Recommended minimum requirement **1.5 Mbps** (per Speaker)
- Music streaming services typically require **0.32-0.64 Mbps** (per speaker)

Router:

- Standard routers issued by your ISP are fine for low traffic, using less than 10 devices, phones, laptops, TVs, tablets etc included.
- If you have more than 6 master speakers working in one location, this may cause disruption if they are on a standard home router, causing drop outs and performance related issues (suggest purchasing a new router which can handle more devices simultaneously, with improved processing CPU power eg. Draytek, Asus.).
- Common checks making sure the UPNP setting is turned ON and the WMM setting is turned OFF. If you have a Wi-Fi V1, the 5GHz channel should be turned OFF. If you have a V2, Subwoofer or Pro, all speakers are dual band channel which use 2.4 GHz & 5GHz.
- As per WiFi recommendations suggest power off router every 3 months to clear Cache on router, which shall improve performance.

Boosters:

- Required if the area to cover has WiFi dead zones. Simple cost effective plugin solution to boost signal as the next step up from just a router.
- For the Booster to work with the speaker, it needs to be on the same network as the speaker.
- Typically rebroadcasts half the strength of your main router WiFi signal.

Access Points:

- **Recommend Access points for full WiFi coverage**
- Access point are recommended for Large homes to increase WiFi Range in those WiFi dead zones.
- All speakers **MUST** to be connected on the same WiFi SSID and frequency band to work together along with the device playing music.

Typical Causes of WiFi Router Problems

- Signal Congestion (limited bandwidth of the router to push the data to the devices)
- Interference (concrete walls, metal beams, other equipment nearby)
- Network Overload (Too many devices on the network)
- Router Location (sat on the floor next to power cables)
- Hardware / Firmware limitations (Can be out of date)
- Physical size of your home (WiFi dead spots)

FOR FURTHER TECHNICAL SUPPORT EITHER CALL US ON
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