PREREQUISITES FOR WIFI AND CLOUD CONNECTION

1. WiFi signal strength > 60%.
2. Utilize a 2.4 GHz network.
3. Router channels 1-11 (avoid 12-13 due to legislative restrictions in the US).
4. Utilize WPA/WPA2 Personal with SSID and Key (WPA protocol not supported).
5. Ensure WiFi passwords are a maximum of 20 characters.

Note: Sauna foil can interfere with WiFi signal. For optimal performance on the Elite controller, installation outside the sauna is recommended.

Other Tips to Improve WiFi Connection

1. **Choose a Central Location:** Central locations provide the best signal coverage across your entire building. For two-story structures, if your router or access point is on the first floor, place it high on a shelf to provide a stronger signal for devices on the second floor.

2. **Elevate Your Router:** Walls, floors, and metal objects can interfere with and weaken your router's wireless signals. Locate your router to avoid these obstructions as much as possible.

3. **Upgrade Router Antennas:** Router antennas are usually omnidirectional, broadcasting in all directions. If your router is near an outside wall, half of your wireless signals may be directed outside. Many routers have removable antennas. Replacing the omnidirectional antenna with a high-gain antenna allows you to aim the wireless signal in the desired direction.

4. **Reduce Wireless Interference:** The common 802.11g (wireless-G) technology operates at 2.4 gigahertz (GHz), which is also used by devices like cordless phones, microwaves, baby monitors, and garage door openers. Their signal noise can interfere with your device's connection to the router. To reduce noise, opt for devices that use 5.8 GHz or 900 megahertz (MHz) frequencies. As 802.11n (wireless-N) operates at both 2.4 GHz and 5.0 GHz, it may experience less interference.

5. **Add a Wireless Repeater:** Wireless repeaters rebroadcast the router's signal, strengthening it on other floors or the opposite side of the building. Place them halfway between the router, modem, or access point and your device. Research these products before investing, as some can be challenging to configure and may impact network performance.

6. **Change Your Wireless Channel:** Wireless routers can broadcast on different channels. If interference is encountered, try changing the router's channel through its configuration page, typically accessed via a web browser using the router's IP address. There's no need to change the device's configuration, as it can automatically detect the new channel.

These adjustments should help optimize your WiFi and cloud connection experience.