

Wi-Fi Setup for ShurePlus™ Channels

Background

For connection over a Wi-Fi network, ShurePlus™ Channels makes use of *IP multicast*, which offers the most efficient use of bandwidth for this type of network application. IP Multicast is known to occasionally cause issues such as interference, dropped data, or duplicate data when unsupported routers are used, or router settings are not optimized. To avoid these issues, please follow the guidelines for router selection and settings provided below.

Router Selection

The most current, high quality routers are designed for IP multicast, and will generally provide acceptable performance. Older generation or lower quality routers will likely not support IP multicast, which may result in performance issues.

Recommended Router

For the best ShurePlus Channels user experience, Shure recommends the Apple Airport Extreme Wi-Fi router. With the current revision of the Airport, the default settings are sufficient for Shure+ Channels use.

Router Settings

To optimize performance, ensure your router settings follow these guidelines:

- Wi-Fi transmission rate should be locked to the highest setting allowed
- Make sure 802.11n protocol is selected
- Ensure your Wi-Fi router channel does not overlap with any other Wi-Fi routers. Increased noise in the environment will cause devices in ShurePlus Channels to fall offline.