



AV Network Best Practices (Unmanaged Switch Network Infrastructure)

"The network is the foundation of a reliable system."

Best Practice's AV Network

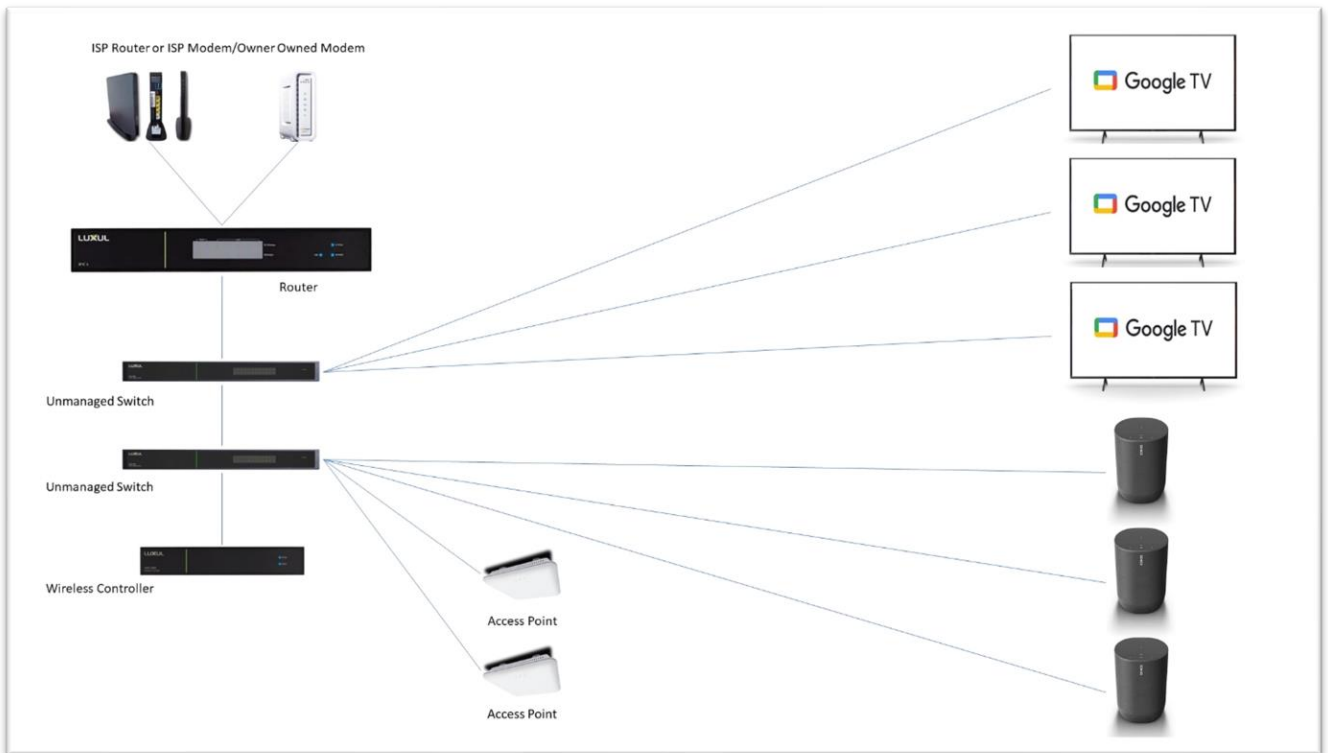
Building the Infrastructure: (Multiple Configurations)
This is assuming understanding of network configurations.

Android/Google TV and Sonos are Used as Examples

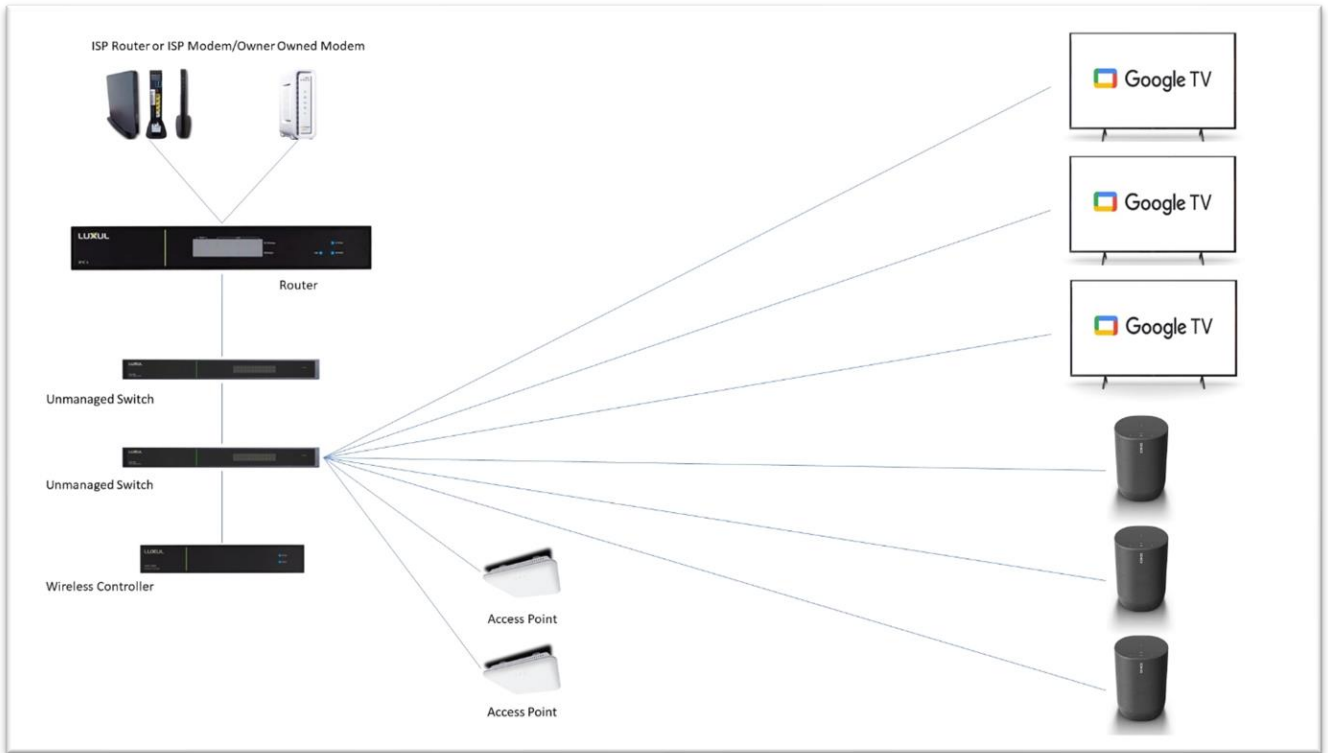
"Better": (Unmanaged Switch)

- Layer 3 Router – Behind Configured ISP Router or ISP/Consumer Purchased Modem
- Non-Blocking and Full-Duplex Layer 2 Unmanaged Switch(s) *"No More than (3) Switches"* – Daisy Chaining from Layer 3 Router
- Multiple APs or Single AP – Behind Same Layer 2 Unmanaged Switch

- **Option 1:** All “Like” Protocols or Devices Must be on Same Switch. *(See Below)*
 - All Google TVs Wired to One Switch
 - All Sonos Devices Wired to One Switch



- **Option 2:** Multi “Like” Protocols or Devices Share and Must be on Same Switch.
(See Below)
 - All Google TVs Wired to Same Switch and Sonos Devices



- **Option 3:** In these Configurations, the APs don't have to be on the Same Switch.
(See Below)
 - Because None of these Devices are Wireless



- **Option 4:** If you are to have Some or All Devices on Wi-Fi, the APs need to be on the Same Switch as the Wired Devices with the Protocols. (See Below)

