



## BZBGear AVoIP Network Switch Requirements

In order to ensure complete and reliable functionality any switch selected for an AVoIP system must meet the requirements below and support the following features:

- Layer 2 or Layer 3 Managed Switch
- 1 Gigabit Throughput minimum, 10 Gigabit recommended for larger deployments
- Multicast forwarding or filtering
- IGMP Snooping
- IGMP Querier
- Must support Jumbo Frames (8000 bytes or larger). This may be listed as MTU (Maximum Transmission Unit) or Jumbo Packets

When using multiple switches these additional features are required:

- Dynamic Multicast Router Port
- Forward Unknown Multicast to Router Port

**Note:** It is recommended that all listed features are applied to every network switch on the same LAN as the AVoIP system.

When using PoE (Power over Ethernet) to power the transceivers allow for a PoE budget of 7.5 watts per unit. For example, if using 10 units make sure the switch has a total PoE budget of at least 75 watts.