Switches recommended for use with DirectOut devices

DirectOut recommends using switches with PTP support for AES67/RAVENNA and Dante. If no PTP-aware switch can be used, a managed switch with configurable QoS and IGMP v2 support can be used instead. However, this will impact the quality of the PTP synchronization. If external (non-networked) devices are involved in the setup, PTP-aware switches are always required.

DirectOut devices were successfully tested with the following switches and Network Audio protocols:

Artel Quarra Series [AES67/RAVENNA, Dante, Soundgrid]	
https://www.artel.com/solutions/quarra/	
PTP support	IEEE1588 v2, Transparent Clock and Boundary Clock modes
QoS	configurable (including QoS translation)
IGMP	v2 and v3 support
PoE	available
Switch:	https://www.artel.com/media-transport-products/quarra-ptp-10-gbps-ethernet-switch/
Configuration Guide:	https://www.artel.com/-/media/ae2aa6f06a624cc9b50cd7f6cb1f6251.ashx

Luminex GigaCore Switches [AES67/RAVENNA, Dante, Soundgrid]	
https://www.luminex.be/products/gigacore/	
PTP support	IEEE1588 v2, Transparent Clock
QoS	configurable
IGMP	v2 and v3 support
PoE	available
NOTE: Link Redundancy (RLinkX) is supported with Soundgrid, Link Aggregation (MultiLinkX) is not supported with Soundgrid.	

Arista 7020TR48 [AES67/RAVENNA, Dante]	
https://www.arista.com/en/products/7020r-series	
PTP support	IEEE1588v2, Boundary Clock
QoS	configurable
IGMP	v2 and v3 support
PoE	not available