

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/		
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	

Netger AV-Line M4250 [AES67/RAVENNA, Dante, AVB (additional license required)]		
https://www.netgear.com/de/business/wired/switches/fully-managed/gsm4212p/		
PTP support	IEEE1588v2, Transparent Clock	
QoS	configurable	
IGMP	NETGEAR IGMP Plus™	
PoE	available	

^{*}Copyright by DirectOut GmbH - No liability for misprints and technical changes assumed - Nov 2022.