

DCN multimedia Audio Powering Switch

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Invented for life



- ▶ Zero network configuration
- ▶ Fully compatible to the Ethernet (IEEE802.3) and OMNEO standard
- ▶ Supports loop-through connection with cable redundancy
- ▶ Acoustic feedback suppression, echo cancellation and equalizer
- ▶ Standby mode to be environment friendly

The Audio Powering Switch is responsible for routing, controlling and processing the audio and supplies power to the multimedia devices.

It includes an intelligent adaptive acoustic feedback suppressor, echo cancellation and two 5-band parametric equalizers for optimal speech intelligibility. Next to that it has two audio inputs for inserting external analogue audio signals into the system and also mix-minus is provided for connecting the DCN multimedia system to (video) conferencing equipment. The two audio outputs are used for mix-minus and to connect an external sound reinforcement system. The built-in Ethernet switch connects all devices in the system together into a network, and supports loop-through connection which makes it possible to connect the multimedia device to another multimedia device and even the last multimedia device in the loop can be connected to create cable redundancy. The audio powering switch has no user controls and can be fully remotely controlled.

Functions



Controls and Indicators

- Mains switch on the rear to power on the audio powering switch.
- Ground-lift switch.
- Led on the front to show: green (power on), amber (standby), blinking (no connection to the system).
- Led on the rear to show: green (power availability on each powered socket), red (overload per powered socket).
- Ethernet led's yellow and amber for each socket.
- Independent powered sockets; a short circuit on one socket does no influence the other sockets.
- Supports hot plug and play.

Interconnections

- 2 three-pole XLR balanced audio line inputs with galvanic separation
- 4 RCA unbalanced audio line inputs
- 2 three-pole XLR balanced audio line outputs with galvanic separation
- 4 RCA unbalanced audio line outputs
- Mains power supply auto ranging input.
- 1 socket with Ethernet without power, compatible with RJ45.
- 3 sockets with Ethernet with high power supply (144 W), compatible with RJ45.
- 1 socket with Ethernet with low power supply (15 W), compatible with RJ45.

Certifications and approvals

Region	Certification
Europe	CE

Parts included

Quantity	Components
1	DCNM-APS DCN multimedia Audio Powering Switch

Technical specifications

Electrical

Supply voltage	100-240 Vac 50-60 Hz
Power consumption	530 W
DCNM system supply	48 Vdc
Total power supply	3x 144 W + 15 W
Frequency response	30 Hz - 20 kHz
THD at nominal level	< 0.1 %
Dynamic range	> 95 dB
Signal-to-noise ratio	> 95 dB

Audio inputs

XLR nominal input	-18 dBV (+6 dB / -18 dB)
XLR maximum input	+18 dBV
Cinch nominal input	-30 dBV (+6 dB / -18 dB)
Cinch maximum input	+6 dBV

Audio outputs

XLR nominal output	-18 dBV (+8 / -24 dB)
XLR maximum output	+20 dBV
Cinch nominal output	-30 dBV (+8 / -24 dB)
Cinch maximum output	+8 dBV

Mechanical

Mounting	Tabletop or mounted in a 19" rack
Dimensions (H x W x D)	
for tabletop use, with feet:	92 x 440 x 400 mm (3.6 x 17.3 x 15.7 in)
for 19" rack use, with brackets:	88 x 483 x 400 mm (3.5 x 19 x 15.7 in)
in front of brackets	40 mm (1.6 in)
behind brackets	360 mm (14.2 in)
Weight	7.62 kg (16.79 lbs)
Color	Traffic black RAL 9017 Pearl light grey RAL 9022

Environmental

Operating temperature	0 °C to +45 °C (-32 °F to +113 °F)
Storage temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Relative humidity	< 96 %, > 5 %

Ordering information

DCN multimedia Audio Powering Switch

Controls and routes the system audio including acoustic feedback suppression, echo cancelling and equalizer, supplies power to DCN multimedia devices, built-in Ethernet switch.

Order number **DCNM-APS**

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