DICENTIS 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 mix-minus is provided for connecting the DICENTIS Conference 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 in a network and supports loop-through connection, which makes it possible to connect the DICENTIS discussion device to another DICENTIS discussion device; even the last DICENTIS discussion device in the loop can be connected to an (audio) powering switch to create cable redundancy.
The audio powering switch has no user controls and can be fully controlled remotely.

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.

Parts included

Quantity	Components
1	DCNM-APS2 DICENTIS 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 ºC to +45 ºC (-32 ºF to +113 ºF)
Storage and transport temperature	-20 ºC to +70 ºC (-4 ºF to +158 ºF)
Relative humidity	< 96 %, > 5 %

Ordering information

DICENTIS Audio Powering Switch
Switch for controlling and routing system audio including acoustic feedback suppression, echo cancelling and equalizing. Supplies power to DICENTIS discussion devices, built-in Ethernet switch. One DCNM-APS2 is needed per DICENTIS Conference System.
Order number **DCNM-APS2**

Represented by:

Americas:
Bosch Security Systems, Inc.
12000 Portland Avenue South
Burnsville MN 55337, USA
Phone: +1-800-392-3497
Fax: +1-800-955-6831
audiosupport@us.bosch.com
www.boschsecurity.com

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:
Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:
Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com

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18941362571 | en, V4, 25. Aug 2016