

DCNM-APS2 Audio processor and powering switch

DICENTIS



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

The Audio processor and powering switch is responsible for routing, controlling and processing the audio. The DCNM-APS2 also supplies power to the discussion and multimedia devices.

The device includes an intelligent adaptive acoustic feedback suppressor and two 5-band parametric equalizers for optimal speech intelligibility. 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 DCNM-APS2 also has two audio outputs 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. This makes it possible to connect a DICENTIS discussion device to another DICENTIS discussion device. Even the last DICENTIS discussion device in the loop can be connected to a DCNM-APS2 to create cable redundancy.

The DCNM-APS2 has no user controls and can be fully controlled remotely.

Controls and indicators

- Mains switch on the rear to power on the Audio processor and powering switch
- Ground-lift switch
- LED on the front shows: power on (green), standby (amber), and no connection to the system (blinking)
- LED on the rear shows: power availability on each powered socket (green), and overload per powered socket (red)
- 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

Functions



Regulatory information

Region	Regulatory compliance/quality marks	
Europe	CE	DCNM-APS2 F.01U.400.630
	CE	DCNM-APS2 F.01U.308.936
	CE	DCNM-APS2 F.01U.429.663
Global	DOC	EN ISO 22259:2021
Great Britain	UKCA	DECL UK DCMN-APS2

Installation/configuration notes

This is a professional product that should be installed, used and maintained by trained professionals only.

Parts included

Quantity	Component
1	DCNM-APS2 Audio processor and powering switch

Technical specifications

Electrical

Input voltage (VAC)	100 VAC – 240 VAC
Power frequency	50 Hz; 60 Hz
Power consumption (W)	575 W
System supply (VDC)	48 VDC
Total power supply	3x 144 W + 15 W
Frequency response (-3 dB) (Hz)	30 Hz – 20,000 Hz
Total harmonic distortion + noise (%)	0.10%
Minimum dynamic range (dB)	95 dB
Minimum signal-to-noise ratio (dB)	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
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Mechanical

Mounting type	Rack-mounted; Tabletop
Dimensions (H x W x D) (mm) for tabletop use with feet	92 mm x 440 mm x 400 mm
Dimensions (H x W x D) (in) for tabletop use with feet	3.60 in x 17.30 in x 16.70 in
Dimensions (H x W D) (mm) for 19" rack use, with brackets	88 mm x 483 mm x 400 mm
Dimensions (H x W D) (in) for 19" rack use, with brackets	3.5 in x 19 in x 15.7 in
In front of brackets (mm)	40 mm
In front of brackets (in)	1.6 in
Behind brackets (mm)	360 mm
Behind brackets (in)	14.2 in
Weight (kg)	7.62 kg
Weight (lb)	16.79 lb
Color (RAL)	RAL 9017 Traffic black

Environmental

Operating temperature (°C)	0 °C – 45 °C
Operating temperature (°F)	32 °F – 113 °F
Storage temperature (°C)	-20 °C – 70 °C
Storage temperature (°F)	-4 °F – 158 °F
Transportation temperature (°C)	-20 °C – 70 °C
Transportation temperature (°F)	-4 °F – 158 °F
Operating relative humidity, non-condensing (%)	5% – 96%

Ordering information

DCNM-APS2 Audio processor and powering switch

Switch for controlling and routing system audio. Supplies power to discussion devices. One DCMN-APS2 is needed per DICENTIS .

DCNM-LSYS is required.

Order number **DCNM-APS2 | F.01U.308.936 F.01U.400.630 F.01U.429.663**

Services

EWE-DCNAPS-IW 12 mths wrty ext DICENTIS Audio P Switch

12 months warranty extension

Order number **EWE-DCNAPS-IW | F.01U.348.757**



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