



ADN

ADN CU1

FEATURES

- Supplies up to 40 and controls up to 400 discussion units
- USB Conference recording
- Graphical user menu in 13 languages
- Electronically balanced XLR In- and Output
- Open Media Control Protocol over Ethernet (compatible to Crestron and other brands)
- Permanent malfunction monitoring and error diagnostics
- Low-noise fan for in-room use
- Integrated PC with pre-installed control software

DELIVERY INCLUDES

- ADN CU1 discussion central unit
- Main cable
- System DVD
- Quick Guide
- Safety Guide



The digital discussion central unit ADN CU1 powers up to 40 and controls up to 400 connected delegate and chairperson units. It offers full configuration in a quick and easy way over the menu display in several languages. Alternatively the integrated software package 'Conference Manager' can be used directly on the CU1 by connecting a Screen, Mouse and Keyboard. The intuitive workflow of the conference manager allows a fluent monitoring and control of the conference. With its low-noise fan the central unit can be used directly in the meeting without disturbing it.



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SPECIFICATIONS

Operating voltage	52.8 V $\overline{=}$ (ADN Bus)
Frequency response	100 – 14.000 Hz
Total harmonic distortion	< 0.01% A-weighted at +6 dBV IN, OUT
Power consumption	245 W
Input voltage range	-18 to +18 dBu (XLR IN)
Output level	max. +10 dBV
Signal-to-noise ratio	> 80 dB A-weighted at +18 dBV
Operating temperature	+5 °C to +50 °C (+41 °F to +122 °F)
Dimensions (W x H x D)	417 x 100 x 345 mm (16.4" x 3.94" x 13.58")
Weight	approx. 6,500 g (14.3 lbs)

PRODUCT VARIANTS

ADN CU1 central unit EU	Art. no. 505553
ADN CU1 central unit UK	Art. no. 505554
ADN CU1 central unit US	Art. no. 505555

ARCHITECT'S SPECIFICATION

A central control unit with integrated PC, control software package and digital processor is the hub of a digital discussion system. The central control unit shall supply 52.8 V $\overline{=}$ power and control data through a proprietary ADN network bus for controlling up to 40 discussion units. The integrated control software shall be controlled using the intuitive front panel display using multifunction control keys. Alternatively, the software can be accessed by connecting a standard VGA monitor, keyboard and mouse. The integrated software shall provide support in 13 languages and allow fault monitoring and error diagnostics and full control over all delegate stations and the audio and conference parameters including equalization, feedback suppression, microphone limiting, and conference modes. An Ethernet port shall be provided for network connection and control through third party digital control systems (Crestron, AMX, etc.). USB recording capability shall be provided for the conferencing program audio.

A full system diagnostics check is executed upon application of power to the unit. The remote delegate discussion units connected to the central control unit shall be hot-swappable during a conference. Addressing of the delegate discussion units shall be done automatically by order of cabling; alternatively the addresses shall be assignable manually in the conference manager software. Audio input and output ports are provided as electronically balanced XLR connections. Audio frequency response shall be 100 to 14.000 Hz. Input voltage range shall be -18 to +18 dBu (XLR In). Maximum output level shall be +10 dBV with a signal-to-noise ratio of greater than 80 dB A-weighted at +18 dBV.

Total harmonic distortion shall be less than 0.01% A-weighted at +6 dBV In and Out. Power consumption shall be 245 W; operating temperature shall be +5 °C to +50 °C (+41 °F to +122 °F). The central control unit shall be housed in a stand-alone desktop housing; rack mounting shall be accomplished using optional rack mounting brackets. The housing shall measure 417 x 100 x 345 mm (16.4" x 3.94" x 13.58"). Weight shall be 6,500 g (14.3 lbs).

The central control unit shall be manufactured by Sennheiser and shall be type ADN CU1.

ACCESSORIES

ADN PS	EU	Art. no. 505546
	UK	Art. no. 505547
	US	Art. no. 505548
ADN D1 delegate unit		Art. no. 502758
ADN C1 chairperson unit		Art. no. 502759
ADN RMB-2 rackmount brackets		Art. no. 504031
ADN TR1 strain relief		Art. no. 504001
CAT 5 cables		
SDC CBL RJ45-2	2 m	Art. no. 009842
SDC CBL RJ45-3	3 m	Art. no. 009843
SDC CBL RJ45-5	5 m	Art. no. 009844
SDC CBL RJ45-10	10 m	Art. no. 009845
SDC CBL RJ45-20	20 m	Art. no. 009846
SDC CBL RJ45-50	50 m	Art. no. 009847



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DIMENSIONS

