



DCN-NCO Multi CCU Network Controller



- ▶ **Stylish and modern design (IF award)**
- ▶ **Connection of up to 30 Central Control Units**
- ▶ **Control of up to 4000 delegate positions (microphone functionality only)**
- ▶ **PC control functionality of up to 1500 delegate positions (full functionality)**
- ▶ **2 x 32 high quality audio channels**
- ▶ **PC control facility**
- ▶ **Optical network coupling**
- ▶ **Redundant network capability**

The network controller forms the heart of a multi CCU system.

The network controller includes features for controlling delegate microphones, distributing simultaneous interpretation and conducting voting sessions, all without an operator.

In combination with a PC, this control unit brings greater sophistication to conference control. Users can access an extensive range of software modules, each with a specific function in controlling and monitoring a conference. These modules greatly expand the capacity to manage a conference. In the event of PC failure, this control unit will revert to its stand-alone operation mode, enabling the conference to proceed.

Functions

- Basic microphone management facilities
- Four operational microphone modes:
 - Open: microphone button control with request-to-speak (Auto)
 - Override: microphone button with override of activated microphones (FIFO)
 - Voice: voice activated microphones
 - Push-to-talk: push and hold button to speak
- Number of open microphones between 1 and 4
- Basic voting control for parliamentary voting procedure
- Delegates can register 'Present', 'Yes', 'No' and 'Abstain'. The Concentus Chairman unit can start, stop and suspend the voting. The total results can be displayed on hall displays and on the LCD screens of the units
- A page function which activates a voting tone. With this tone the chairman can indicate that a voting round is about to start
- Basic simultaneous interpretation function with as many as 31 language channels plus one floor channel
- Basic intercom function with function to assign intercom operator and intercom chairman (both can be called from the interpreter desk)
- Stand-alone automatic camera control
- Extended conference facilities when using control PC software or remote controllers
- Adjustable sensitivity for the audio inputs
- Adjustable level for the audio outputs
- Audio insertion facility to connect external audio processing devices or telephone couplers
- Configuration of network controller and system via a display and a single rotary push button
- The network controller can be assigned a unique name by the installer for easy identification
- VU meter readings to monitor audio inputs and audio outputs. The audio can be monitored using a headphone
- Loudspeaker and headphone connection for audio monitoring.
- 19" (2U) housing for tabletop or rack mounting
- Handgrips for easy transportation

Controls and Indicators

Front

- 2 x 16 Character LCD display for status information and configuration
- Rotary control to navigate through the LCD menus

Back

- Power on/off switch

Interconnections

- Euro power socket with built-in fuse
- Two optical network connections for connection of Central Control Units, Integrus transmitters or various audio expanders
- Two three-pole XLR balanced audio line inputs with galvanic separation
- Two three-pole XLR balanced audio line inputs without galvanic separation
- Four stereo Cinch unbalanced audio line inputs
- Two three-pole XLR balanced audio line outputs with galvanic separation
- Two three-pole XLR balanced audio line outputs without galvanic separation
- Four stereo Cinch unbalanced audio line outputs
- One stereo headphone output 3.5 mm (0.14 in)
- Eight control inputs
- Five control outputs
- One RS-232 serial data connectors for controlling cameras and diagnostics
- One Ethernet connection for PC control

Parts Included

Quantity	Component
1	DCN-NCO Multi CCU Network Controller
1	Set of mounting brackets for 19" rack
1	Set of feet
1	Set of connectors
1	System installation and user instruction on CD ROM
1	Power cord

Technical Specifications**Electrical**

Supply voltage	115/230 V +/- 10 %
Power consumption	170 W
Optical network supply	40 VDC, max 65 W
Total supply power	130 W
RS-232 connection	1 x nine-pole Sub-D female socket
Ethernet connection	1 x RJ45 socket

Frequency response	30 Hz - 20 kHz (-3 dB at nominal level)
THD at nominal level	< 0.5 %
Cross talk attenuation	> 85 dB at 1 kHz
Dynamic range	> 90 dB
Signal-to-noise ratio	> 87 dBA

Audio inputs

XLR nominal input	-12 dBV (+/- 6 dB)
XLR maximum input	+12 dBV
Cinch nominal input	-24 dBV (+/- 6 dB)
Cinch maximum input	+0 dBV

Audio outputs

XLR nominal output	-12 dBV (+6 / -24 dB)
XLR maximum output	+12 dBV
Cinch nominal output	-24 dBV (+6 / -24 dB)
Cinch maximum output	+0 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 kg (15.4 lbs)
Color	Charcoal (PH 10736) with silver

Ordering Information

DCN-NCO Multi CCU Network Controller **DCN-NCO**
for controlling delegate microphones, distributing simultaneous interpretation and conducting voting sessions

DCN-NCO-US Multi CCU Network Controller (US) **DCN-NCO-US**
US version

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