



D-Cerno CU

D-Cerno Central Unit



Description

The D-Cerno Central Unit is the heart that powers small to mid-sized meetings. The technology inside D-Cerno is based on *the same processing principles found in Televic's flagship, high-end products* but streamlined & optimized for its marketing segment: entry-level discussion systems.

The system occupies a unique position in the market since it is *completely based on digital signal processing*. D-Cerno controls 50 delegate units and can be expanded *to cover 150 units* using a master/slave configuration with multiple central units. The delegate units are connected in daisy chain over the 4 bus connections (4 branches or 2 closed loops). When cabled in loop,

a redundancy mechanism guarantees that the system continues to function flawlessly if a cable should break or disconnect for some reason.

The system is designed to work out-of-the-box, with hardly any technical expertise required. *D-Cerno is simply plug-and-play.*

Control of the system is easy and intuitive via the touch sensor buttons and a large LCD menu. To guide the meeting, several conference modes are implemented. Direct access, Request, Push to talk, FIFO, Vox control.

Design-wise, D-Cerno CU *blends in beautifully* with the delegate & chairman units, both in shape and appearance. Its sleek and understated profile feels at home on any meeting room table.

D-Cerno's *fan-less design* also ensures absolute silence and allows it to be placed near the chairman or delegates without any concern for fan noise, even during extended usage.

Next to connecting delegate units, the central unit also has *the necessary inputs and outputs* to connect to other equipment such as room amplification, wireless microphones or audio/video conference systems.

Finally, the unit is also *energy-efficient*: D-Cerno has a power saving mode and moves to a sleep state if the system has been left on accidentally.

Benefits

- Contemporary design fits in everywhere
- Fan-less operation guarantees silence
- Energy-efficient
- Plug-and-play approach

Features

- Touch sensor button technology
- Digital signal processing
- Selectable voice activation (VOX)
- Fail-safe redundancy technology
- Default digital acoustic feedback reduction
- For systems up to 50 units
- Master/slave function to expand the system
- Menus and integrated LCD
- System volume
- On/Off button

Connectivity

- 1 Balanced XLR input
- 1 Unbalanced RCA input
- 2 Unbalanced RCA outputs
- 4 Bus connections (4 branches or 2 loops)
- 1 Lockable Power connection

Spare Power Supply 71.98.0340

Certifications

Region	Certification
Europe	CE

Specifications

Mechanical	
Material	PC/ABS
Color	Black
Size (mm)	300 (w) × 135 (h) × 50 (d)
Size packaged (mm)	345 (w) × 250 (h) × 155 (d)
Weight (g)	1300
Weight packaged (g)	2600 (including D-Cerno PS, cable)
Electrical	
Power supply input	External 100-240 VAC 50-60 Hz 25 A
Power supply output to power units	48 VDC 3.35 A Max 180 W
Audio quality	16 bit digital
Power consumption	Active 4 W Standby 0.7 W
Volume control	0 dB to -72 dB + "OFF"
AUX 1 IN XLR balanced	
Input impedance	≥ 7 kΩ (asymm.)
AUX 2 IN RCA unbalanced	
Input impedance	≥ 20 kΩ (asymm.)
Input gain adjustment	+24 dB to -51 dB + "OFF"
AUX OUT 1,2 RCA unbalanced	
Max. output level	0 dBV = -10 dBFS
Output impedance	≤ 600Ω
Output gain adjustment	+24 dB to -51 dB + "OFF"
Headphone	
Load impedance	16-150 Ω
Output power	Max 70 mW 32 Ω
Volume control	0 dB to -72 dB + "OFF"
Environment	
Operating temperature	5 to 50 °C
Humidity	Protection class EP10 Compliant to IEC 60069_2.14

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