D-Cerno SL



Plug & play discussion that feels at home everywhere

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71.98.0321

D-Cerno CUR

D-Cerno Central Unit with Recording & Web Server



Description

The D-Cerno CUR 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 controller/peripheral 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.

The D-Cerno CUR, in contrast to the CU version, allows users to control and configure the system via the integrated web server. Another difference found only in the D-Cerno CUR are two USB connections located at the front of the unit to connect a USB storage device for direct recording of the meeting. If one device is full, the second device will automatically take over.

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.

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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
- Easy browser-based configuration
- Effortless meeting recording via external USB connection
- Camera control integration capabilities

Features

- Touch sensor button technology
- Digital signal processing
- Integrated web server
- Integrated Recording (on USB storage device: not included)
- Selectable voice activation (VOX)
- Fail-safe redundancy technology (patent pending)
- Default digital acoustic feedback reduction
- For systems up to 50 units
- Controller/peripheral function to expand the system
- Menus and integrated LCD
- System volume
- On/Off button

Connectivity

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

Spare Power Supply **71.98.0322**

Certification

Region	Certification
Europe	CE

Specifications

Mechanical	
Material	PC/ABS
Color	Black
Size (mm)	300 (w) × 135 (h) × 50 (d)
Size packed (mm)	345 (w) × 250 (h) × 155 (d)
Weight	1300
Weight packed	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
Power consumption	Active 4 W Standby 0.7 W
Audio quality	16 bit digital
Volume control	0 dB to -46 dB + "OFF"
AUX 1 IN XLR balanced	
Input impedance	≥ 7 kΩ (asymm.)
AUX 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

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71.98.0307

D-Cerno C SL

D-Cerno Chairman Discussion Unit with Removable Microphone



Description

D-Cerno combines sleek design with digital signal processing and plug-and-play functionality.

> Stylish, discreet, and unobtrusive with a low profile: the D-Cerno D SL is at home in any meeting room.

The system is completely based on digital signal processing. The result is crystal-clear sound and excellent intelligibility. Two cornerstones of any successful meeting.

In a global, interconnected world where communication is crucial, immunity to typical mobile phone interference is simply a must. D-Cerno's shielded microphone eliminates these disturbances, so delegates can focus on the essence of the meeting.

The system is designed to work out-of-the-box, with hardly any technical expertise required. Wiring is easy: simply connect shielded Cat 5 cables from unit to unit. What's more, there is no need to worry about the IN and OUT port since the unit detects the direction of the signal flow automatically. It makes cabling errors virtually impossible.

The system has the added benefit of easy extensibility: increasing or decreasing the number of units is a breeze. It makes D-Cerno ideal for rental use.

In comparison with the D-Cerno D SL, the D-Cerno C SL has two additional buttons: Priority and Next-in-line. The Priority button silences all delegate microphones and allows only the chairperson to speak. It is possible to precede this function by a chime. The Next-in-line button gives the floor to the next speaker in a waiting list of speakers who requested to speak.

The D-Cerno C SL is compatible with screw-lock D-MIC microphones in 30, 40, 50, or 70 cm.

Benefits

- Modern, sleek, and contemporary design
- Clear user button layout and feedback
- Removable microphone connector: possibility to use different microphone lengths (30, 40, 50, 70, Full Flex)
- Easy transport and storage thanks to small footprint and removable microphone
- Solid bottom shell adding weight and stability

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Features

- Digital signal processing
- Shielded microphone, immune to mobile phone interference
- High-quality integrated loudspeaker
- Headphone output
- Headphone volume adjustment
- Microphone On/Off button
- Loop-through, daisy-chain cabling
- Patented fail-safe redundancy feature
- Concealed conference bus connections
- Bi-color bar indicator
- Microphone On/Off or Request-to-speak push button with 2 signaling LEDs

Connectivity

- 2 digital bus connections (IN/OUT - interchangeable)
- Headphone connection

TEL152 Headphones	**71.04.0154**
EP152 Earphone	**71.04.0155**

- Screw-lock socket to connect a removable microphone:

D-MIC30SL	**71.98.0053**
D-MIC40SL	**71.98.0054**
D-MIC50SL	**71.98.0055**
D-MIC70SL	**71.98.0057**
D-MIC FF	**71.98.0059**

- A 2 m patch cable is included with the unit
- A D-Cerno SL transport case is also available:

D-Cerno SL TC	**71.98.0333**

Certification

Region	Certification
Europe	CE

Specifications

Mechanical

Material	PC/ABS & Zamak
Color	Black
Size (mm)	211.4(l) × 136(w) × 48.2(h)
Size packed (mm)	250(l) × 150(w) × 90(h)
Weight	760 g
Weight packed	975 g

Electrical

Power Supply	48 DC, over Cat5 cable
Power consumption	2 W
Audio quality	16 bit digital
Frequency response	25 Hz-15,000 Hz (± 3 dB)

Headphone

Impedance	16-150 Ω
Output level	Max 70 mW 32 Ω

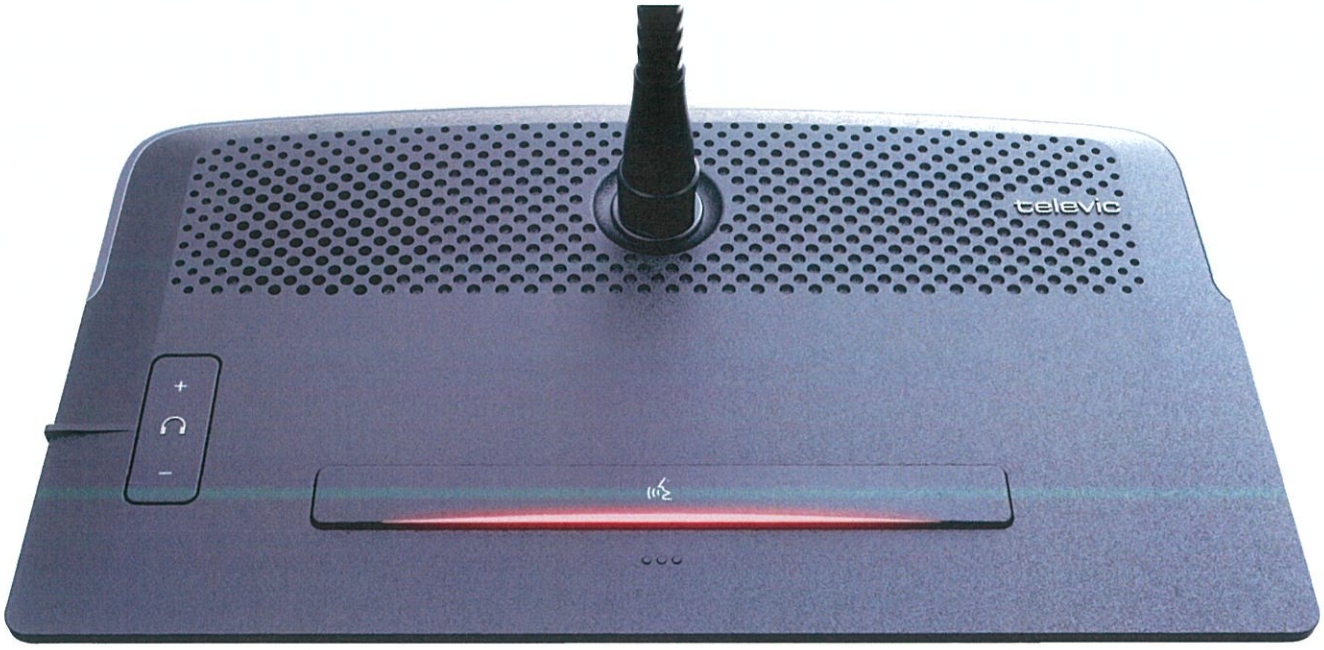
Environment

Operating temperature	5 to 50 °C

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Designed to Discuss

D-Cerno is a digital plug & play discussion pioneer, housed in an elegant design. With discreet lines and a slim profile, it feels at home in any meeting venue. Its versatility is no coincidence: D-Cerno SL is the result of a thoughtful design process, where **every detail of the unit was carefully considered**.

The **central microphone button** provides maximum ease of use and clarity. With an integrated LED on both the microphone button and the microphone, the status of the microphone (ON/OFF) is always crystal-clear. A red light indicates an active microphone, while a green light indicates that the device is in request mode. The subtle volume toggle gives users a quick way to adjust the volume.

The design also extends to the installation of D-Cerno SL. **Connecting standard CAT 5e cables at the back is easy and simple**. And by keeping the profile as slim as possible, placing and removing units is quick and hassle-free.

Furthermore, D-Cerno SL has a **small footprint**. Its compact design also comes with **improved stability** and a low profile on the table.

With braille indicators underneath the microphone button and a tactile marking for the volume switch and headphone jack, D-Cerno SL was also **designed with visually impaired persons in mind**.

The result is a new **plug & play discussion unit that makes every moderated meeting a success**: from corporate boardrooms over small to medium-sized meeting venues.

Microphone Flexibility

The new D-Cerno SL also comes **with a removable microphone**. Choose from different microphone lengths from 30 cm up to 70 cm.



The new D-Cerno SL combines a modern design with easier installation and microphone flexibility.

71.98.0306

D-Cerno D SL

D-Cerno Delegate Discussion Unit with Removable Microphone



Description

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The D-Cerno D SL is compatible with screw-lock D-MIC microphones in 30, 40, 50, or 70 cm.

Benefits

- Modern, sleek, and contemporary design
- Clear user button layout and feedback
- Removable microphone connector: possibility to use different microphone lengths (30, 40, 50, 70, Full Flex)
- Easy transport and storage thanks to small footprint and removable microphone
- Solid bottom shell adding weight and stability

Features

- Digital signal processing
- Shielded microphone, immune to mobile phone interference
- High-quality integrated loudspeaker
- Headphone output
- Headphone volume adjustment
- Microphone On/Off button
- Loop-through, daisy-chain cabling
- Patented fail-safe redundancy feature
- Concealed conference bus connections
- Bi-color bar indicator
- Microphone On/Off or Request-to-speak push button with 2 signaling LEDs

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Connectivity

- 2 digital bus connections (IN/OUT - interchangeable)
- Headphone connection

TEL152 Headphones	**71.04.0154**
EP152 Earphone	**71.04.0155**

- Screw-lock socket to connect a removable microphone:

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D-MIC FF	**71.98.0059**

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D-Cerno SL TC	**71.98.0333**

Certification

Region	Certification
Europe	CE

Specifications

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Power consumption	2 W
Audio quality	16 bit digital
Frequency response	25 Hz-15,000 Hz (± 3 dB)
Headphone	
Impedance	16-150 Ω
Output level	Max 70 mW 32 Ω
Environment	
Operating temperature	5 to 50 °C

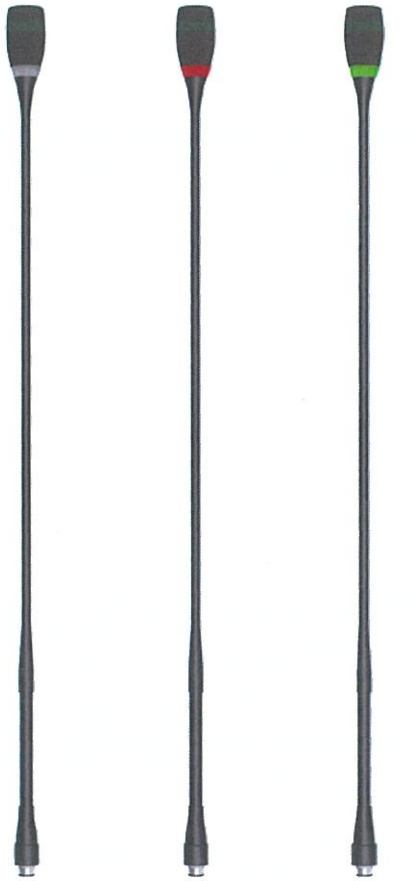
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Directional Microphone, 50 cm



Description

The removable gooseneck microphone is equipped with a *screw lock connector* for easy connection to the different delegate and interpreter units.

Its unidirectional response results in *optimal performance* even in environments with a lot of ambient noise. The gooseneck design also allows for a large *freedom of movement*.

Another important advantage is the *very low susceptibility to interference from mobile phones*.

Finally, the D-MIC SL microphones deliver a *rich, natural sound*. It enables longer and more comfortable meetings where participants experience less strain produced by traditional artificial and mechanical microphone sounds.

The light ring is **dark** (opaque) when the microphone is switched off, it lights up **red** when active, and **green** when in request.

The D-MICxxSL is available in a 30, 40, 50 and 70 cm version, as well as in a fully flexible 40 cm version.

Specifications

Mechanical	
Material	Brass
Color	Matt black, RAL 9011
Size (mm) Size packed (mm)	505 (w) × 25 (h) × 25 (d) 580 (w) × 50 (h) × 50 (d)
Weight (g) Weight packed (g)	110 210
Electrical	
Transducer principle	Back electret (condenser)
Operating principle	Pressure gradient
Polar pattern	Unidirectional, cardioid
Nominal conditions	Bias resistor = 1k2 Vdd = 3.3 V DC 1 Pa = 94 dB SPL
Max SPL @ 1 kHz	110 dB SPL (1% THD+N)
Signal to noise ratio	> 67 dB(A)
Free field sensitivity	(-40.5±2) dBV @ 1Pa, 1KHz
Power supply	3.3 V DC, 0.5 mA
Consumption	0.5 mA (without LED ring) Max 25 mA (with LED ring)
Connection	Screw lock

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