

DIGIMIC DCen

Central Control Unit with 8 audio channels

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Description

The Central Control Unit DCen controls all connected delegate units within the DIGIMIC 8 channel discussion system, configures them automatically, and routes the digital audio precisely where you need it.

DCen includes all common microphone modes, including automatic, push to talk and speaking, voting (with CMic CSV), chairperson priority and VIP management.

In addition, DCen also manages and completely controls the interpreter consoles type DDol.

DCen offers four independently powered D9 outlets to connect up to 100 delegate units to four chains. Alternatively, interpreter consoles DDol can be connected to the outlets instead of delegate units, either to combine delegate and interpreter units on one DCen or for interpreter units only. Once a unit is connected to the Central Control Unit it is ready to use immediately without any further adjustment. DCen provides a user-friendly, menu-driven configuration tool to adjust the setup to local environment, if required. For additional functionalities the DCen is equipped with a network interface to ensure remote control from various applications via brählerOS, e.g. software microphone control on a geographical virtual microphone mimic and name handling.

For professional interfacing to other devices, DCen is equipped with analogue and digital interfaces such as ADAT, AES/EBU and 5 x XLR balanced outputs. The RS232 interface allows the interfacing with media controls and robotic camera systems.

For enhanced sound reinforcement the DCen has a built-in, easy-to-use 8x8 audio matrix, given the opportunity to route all incoming audio signals from each microphone line to a specific output. This ensures clear audio management for even more complex setups with a single control unit. Additionally, connected chairpersons' Units can be routed separately to any output for individual mixing.

Technical Data

Digital Audio

- 48 kHz sample rate
- 20 – 20,000 Hz frequency response
- Approx. 1 ms latency time
- Low susceptibility to mobile phone interference like Bluetooth, UMTS, WiFi etc.

Audio device interfaces

- ADAT input and output
- AES/EBU input and output (XLR)
- One analogue input (IN) XLR balanced
- Five analogue outputs XLR-plug: 1 Master +4 x OUT1...4 separate for each line

Control input and output

- Network interface (TCP/IP)
- Wordclock input
- RS232 interface (CR9-socket) for microphone keyboard, media Control, camera systems, etc.

Connection of units

- UNITS L1 ... L4 (D9-cable)
- Up to 100 delegate units on four chains or several interpreter consoles on one chain and delegate units on the other chains
- Line extension with Power Supply DExt32

Features

- Four independent power supplies - one for each chain
- HOT SWAP functionality. After replacement of a defective microphone unit, the new unit will automatically be configured with the settings of the old one.
- LC Display for menu controlled operation
- 8 buttons for operation of the LCD menu
- 4 green LEDs for indication of the accurate operating voltage at the four outputs L1-L4
- 4 yellow LEDs for indication of AF signal level
- 8 x 8 audio matrix allows sophisticated sound reinforcement and audio distribution
- Outputs protected against short circuit and overload
- Expandable for over 1.000 delegate units

Microphone Modes

- AUTomatic - Each delegate can switch himself on and off
- AUTomatic NEXT/FLOAT
- MANual - Each delegate can put himself into a request list
- PRIOrity - Chairperson can override all other delegates
- VOX - Voice activation

Interpreting

- Up to 8 channels – Original and 7 language Channel

Power Supply

- Mains power: (90 ... 240) AC voltage, (50 ... 60) Hz
- Power consumption: 480 W max.