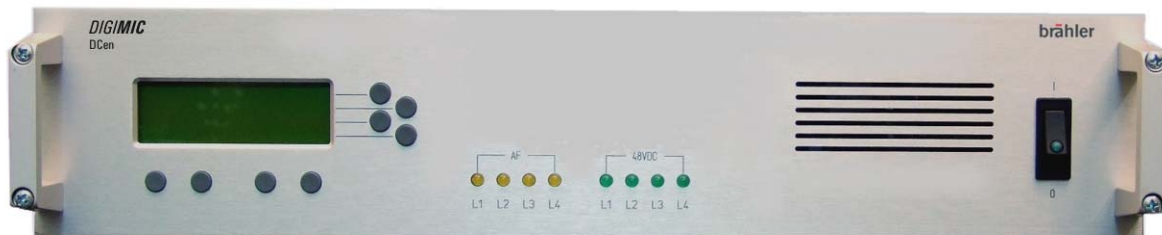


DIGIMIC®

DCen Compact Control Unit



Description

The Central Control Console DCen controls all connected delegate units (required for wired and wireless) within the DIGIMIC discussion system, configures them automatically and routes the digital audio precisely where you need it.

The DCen includes all common microphone modes, including automatic (push to talk), manual (request to speak), chairperson priority and VIP management.

The DCen offers four independently powered D9 outlets to connect up to 100 delegate units on four branches. Also the wireless expansion unit DSpark is designed to be connected to one of those D9 outlets ensuring that all connected wireless delegate units are working together with the wired ones.

Once a unit is connected to the central control console it is ready to use immediately without any further adjustment. The DCen provides a user friendly menu driven configuration tool to adjust the setup to the local conditions, if desired. For additional functionalities the DCen is equipped with a network interface to ensure remote control from various applications, e.g. software microphone control on a geographical virtual microphone mimic and name handling.

For professional interfacing with other devices DCen is equipped with analogue and digital interfaces such as ADAT, AES/EBU and 5 x XLR balanced. Two RS232 interfaces allow interfacing with media controls and robotic camera systems.

For enhanced sound reinforcement the DCen has a build-in easy to use 4x5 audio matrix, giving 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 in one single

control unit. Additionally, connected Chairpersons' Units can be routed separately to any output for individual mixing.

Technical Data

The DCen complies with international standard IEC914

Digital Audio

- 48 kHz sample rate
- 20 – 20,000 Hz frequency response
- approx. 1 ms latency time
- Resistant to RF, cell phone, 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 + 1 separate for each line

Control input and output

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

Connection of units

- UNITS L1 ... L4 (D9) up to 100 delegate units on four chains

Features

- Mains switch for power on with indication lamp
- 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

- 4 independent power supplies - one for each branch
- 4 x 5 audio matrix allows sophisticated sound reinforcement and audio distribution
- Outputs protected against short circuit and overload
- Expandable for over 2.000 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

Power Supply

- Mains power: (90 ... 250) VAC, (50 ... 60) Hz
- Power consumption: 320VA max.

Housing

- 19", 2 HU, Aluminium, "silver" anodized
- W x H x D: (433 x 88 x 330)mm approx. (17.0 x 3.5 x 13.0) inch (without mounting brackets)

Weight

- 4.5kg

Optional (not in delivery)

- **DChair** Chairpersons' Conference Unit
- **DMic** Delegates' Conference Unit
- **DDoc** Docking Unit for Delegates' Conference Unit DMic
- **DSpark** Radio Transceiver Station for wireless system
- **DExt** Additional Power Supply to expand the conference system for more wired delegate units (up to 2000 units)

WPF05.0010.E.090310 BRÄHLER ICS is committed to continually improving its products and so reserves the right to make technical modifications without notice.