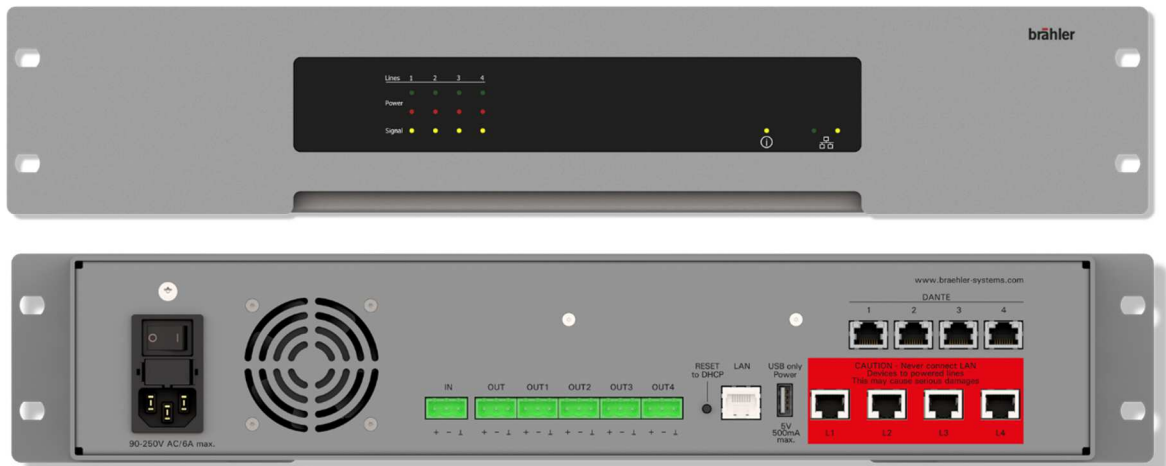**brähler** SYSTEMS

DIGIMIC DCen MkII
DIGIMIC Central Control Unit with 32 audio channels
Article no.: 05.0055

Description

The DCen control unit powers all connected delegate units within the DIGIMIC microphone and interpretation system, configuring them automatically and routing digital audio exactly where you need it.

DCen includes all common microphone modes, including automatic, push to talk and request to speak, voting (with CMic consoles), chairperson priority and VIP management. In addition, DCen manages and controls DDol type interpreter consoles.

The new DCen provides four RJ45 sockets for connecting up to 100 delegate units. Each output is supplied with voltage from its own power supply unit. In the event of a short circuit or failure of one line, the other outputs continue to operate undisturbed. DDol interpreter consoles can also be operated directly from the DCen, providing a complete microphone and interpreter system for up to 32 languages with just one central unit. As soon as a device is connected to the central unit, it is immediately ready for use without any further settings. The free DCen Config configuration tool is available for customizing the DCen. Via the Ethernet interface, the DCen is integrated into the comprehensive conference software brählerOS to realize microphone control, name management, access control and voting easily via touch screen or PC.

For easy connection to other devices, the DCen is equipped with one analog input and 5 analog outputs. For quick and easy installation, these balanced connections are designed as Phoenix terminals. An internally controllable audio matrix allows various microphone and translation signals to be freely routed to the outputs. Each chain of microphone consoles is available as a separate audio signal.

Dante™: Easy connection to additional DCens as well as third-party audio devices

In addition, the DCen has a Dante audio interface for connection to further DIGIMIC DCen control consoles or to third-party digital audio systems.

The Dante audio interface provides all 32 translation channels in high quality and is thus perfectly adapted to the needs of a multi-channel simultaneous interpreting system. The routing and distribution of the interpreted languages greatly reduces installation effort.

With its Dante interface, DCen32 integrates easily with Audinate's Digital Media Networking solution. With the integrated 4-port network switch, up to 4 DCens can be connected via Dante without additional hardware. Alternatively, the 4 ports can be set to provide a secondary or primary network, and it also works with hundreds of third-party devices for digital audio processing and connectivity.

Product information

Technical Data

Digital Audio
- 48 kHz sample rate
- 20 – 20,000 Hz frequency response
- Approx. 1 ms latency time

Audio device interfaces
- One analog input (IN) balanced, Phoenix terminal block
- Five analog outputs: 1 master +4 x OUT, signals configurable via audio matrix, connection: Phoenix terminal block

Dante™ Interface
Configurable Ethernet switch for 4 Dante ports
- Configurable via Dante controller as primary/secondary or as 4-port switch
- Link-Speed: 1 GBps
- Sample Rate: 48 kBps/24 bit
- Number of DANTE input channels: 48 (32 languages + 16 input channels (floor mix))
- Number of output channels: 64 (32 languages + 32 configurable channels)

Controls
Network connection (TCP/IP) for control by brählerOS software, MicControl software, media control

Connection of DIGIMIC units
- UNITS L1 ... L4 (RJ45 socket)
- Min. 25 delegate units on each of the four line outputs depending on cable length
- Extension of line outputs by means of DExt additional power supply unit

Other connections
- USB-A for power supply of external additional devices

Features

- 4 independent power supplies - one for each line output. Thus, multiple redundancy in case of failure of one power supply, because the central unit and the other units continue to run undisturbed.
- HOT SWAP functionality. When a faulty delegate or interpreter unit is replaced, the new unit is automatically configured correctly. Replacement units therefore do not need to be separately preconfigured.
- Dante™ multi-channel network audio
- 4 green LEDs for indicating the operating voltage at the line outputs
- 4 red LEDs for indication of voltage failures
- 4 yellow LEDs to indicate the audio level
- Info LED for operation display
- LAN LED for network activity
- 8 x 32 audio matrix allows sophisticated sound reinforcement support and audio distribution
- Line outputs protected against short circuit and overload
- Expandable up to 1000 delegate units

Microphone Modes
- AUTomatic – each participant switches itself on/off, optionally with or without limitation of active microphones
- AUTomatic – NEXT/FLOAT - Each participant switches itself on/off with FIFO function
- MANual – Manual operation with request-to-speak list
- PRIOrity – Priority function for chairmen, optionally via microphone button or separate priority button
- VOX – Automatic activation when speaking

Simultaneous interpretation
- Connection of DDol interpreter consoles for translations with up to 32 channels

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