



FEATURES

- 2,4 GHz Transmission Technology, 4 Channels, 1 Foldback-Channel
- 1024bit Encoding ensures 100% Privacy
- Individual System Address for every supplied Unit
- Transmission Power 1 mW (2,4GHz)
- Rechargeable Battery 7,2V DC NiMH 1.500 Ah
- 8 -10 hrs. permanent Transmission / Standby
- Dynamic Range > 94 dB
- up to 8000 Stations in one System
- Switch-on Time <10 millisec
- FCC and CE Approval
- Chairman Override / Priority
- Conference Control Software dwcs24Net for Conference Administration
- Microphone Stations can be switched between allowed System Addresses to manage complex Conference Systems

The dwcs 2.4 Digital Wireless Conference System is operating in the license-free 2.4 GHz range. The audio and data transfer characteristics are fully digital and all audio signals are digitally encoded 107 times per sec to ensure full privacy. It is the system of choice for legislative sessions and corporate conferences.

All delivered systems are provided with a unique system address. Systems with different system address are unable to communicate with each other to guarantee maximum security.

The dwcs 2.4 comes as a complete package, no extra installation work except the antenna mounting is necessary.

Base Station

The base unit consists of one audio board, one controller board and the antenna splitter board. The available audio outputs can be used as a sum of the four audio signals or as individual outputs for the four channels to use an automated microphone mixer to generate a significantly higher gain before feedback. The base unit is available with or without a foldback channel, feeding the audio sum back to all microphone stations.

Microphone Stations

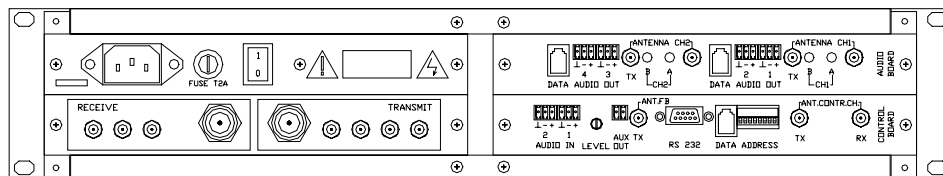
There are two types of microphone stations: delegate and chairman. Both include an audio/data transceiver, a high quality gooseneck microphone with red light ring and an integrated loudspeaker. In addition to the soft-touch talk button, the chairman station is further equipped with a priority and an auxiliary button. The priority button sets all delegate stations in the off-position.

The microphone stations are provided with a rechargeable NiMH-battery.

The system capacity is virtually unlimited (up to 8000 stations), four channels can be activated simultaneously.

Antennas

The dwcs 2.4 relies on two antenna arrays for transmitting and receiving data and encoded digital audio signals. Under normal circumstances, the antenna arrays are capable of operating over a distance of 30 to 60 meters to the base unit.



Conference Control Software dwcs24Net for Conference Administration

The dwcs 2.4 can be administrated with the dwcs24net Conference Control Software using a Windows™ based PC or any usual media control system (Crestron, AMX).

In the Operator Mode of the software, all microphone stations need to send a request to talk. The station's LED will blink. The number of microphone stations sending a request to talk is not limited and up to four microphone stations can then be remotely activated by the administrator. Any microphone station can also remotely be deactivated or the microphone station's request status can be switched off.

On the administrator's display all microphone stations can be placed into a customized graphic layout and the actual status of every station is visible.

Specifications

- Outputs: electronically balanced, 200 Ohm, +4dBu
- Audio Resolution Main Channels: 16bit
- Inputs (Foldback Channel): electronically balanced, 20 kOhm, +4dBu
- Relay Output (AUX-Function): max. 50V, 1A
- Dimensions Base Unit: 270 mm x 483 mm x 89 mm [D x W x H]
- Dimensions Microphone Station: 210 mm x 165 mm x 160 mm [D x W x H]

