



Comfort Audio
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Operational description of Conference Microphone DC10

The Conference Microphone DC10, is picking up sound by means of inbuilt microphones. The audio is amplified and converted to digital format and transmitted to, via radio, the receiver. The receiver is a Comfort Audio unit operating at the frequency band 902-928MHz. The DC10 can also transfer the sound to a phone with Bluetooth technology.

The Comfort Audio Microphone DC10 and Receiving device from Comfort Audio are paired together. The digital transmission gives a very good speech reception. The system is a Binary (two-level) FSK modulation, operation in 902-928 MHz band with a 6dB bandwidth greater than 500 KHz and continuous transmission. The antenna used is internal with a peak gain of -3.5dBd and average gain of -4.7dBd. The maximum output power of this radio (antenna gain included) is 8dBm.

The Bluetooth link is established with the inbuilt pre-certified (FCC modular approval) Bluetooth module from Free2move AB (FCC ID: R47F2M03MLA).

The system is used in a classrooms or business presentation environments.

The Conference Microphone DC10 has an inbuilt Li-Ion polymer battery (nominal voltage of 3.7v). The battery is charged via a power supply, which is connected to the mains.

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