



Operational description of Microphone DM10

The transmitter, Microphone DM10, is picking up sound by means of an inbuilt microphone. The audio is amplified and converted to digital format and transmitted to, via radio, the receiver. The receiver converted the radio signal to analogue audio and amplifies it. The user can listen via headphones or neck-loop.

The Comfort Audio Microphone DM10 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 (antenna gain included) is 3dBm. The system is used in a classrooms or business presentation environments.

The Microphone DM10 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.

Comfort Audio Inc

350 South Northwest Highway, Suite 300 | Park Ridge, IL 60068 | USA

Phone +1 (847) 656 5450 | **Fax** +1 (847) 656 5201

E-mail info@comfortaudio.com | www.comfortaudio.com