

# FM SYSTEMS

Many students cope effectively in quiet environments, but have a difficult time following information in large classrooms where the teacher's voice is competing with background noise, reverberation, poor room acoustics, echo and distance. Therefore, the important speech signal is degraded.

## What is a personal F.M. (frequency modulated) system?

An FM system is a wireless, portable, battery operated device, which looks similar to a large USB or ipod. It uses radio transmission to send auditory signals from a microphone to a receiver. The microphone and transmitter is worn by the teacher, and the receiver is worn by the student with light-weight earphones or earplugs.

## What are the benefits of F.M. systems?

By providing more direct sound transmission from the teacher to the student, the effects of competing background noise, distance etc. are reduced. Thus, in poor listening conditions, the FM system improves the quality of the sound reaching the student.

Personal FM systems with rechargeable batteries may be purchased through the UQ Audiology Department. It is important to investigate with your Private Health Care Provider as there may be a substantial rebate available under "Hearing Devices". The cost includes a fitting appointment with an Audiologist and testing of your child to show the benefit achieved.

## FM Advanced Option:

Phonak Advanced Option: Has advanced digital adaptive wireless technology to adjust the level of the speech signal in the child's receiver in response to high levels of ambient noise. There is a clip-on mic for the teacher and a small worn device similar to an ipod with headphones/earplugs for the student.

**COST: \$1400**

## FM Premium Option:

Phonak Premium Option: Has advanced technology to adjust the level of the speech signal in the child's receiver in response to high levels of ambient noise. There is an advanced transmitter for the teacher and wireless ear pieces for the student (they look like small hearing aids) for cosmetics.

**COST: \$2000 for 1 ear or \$2500 for 2 ears (wireless).**



Contact the UQ Health & Rehabilitation Clinics - Audiology Clinic for bookings and further information on:

Phone: **3365 2232**

Email: [healthclinics@uq.edu.au](mailto:healthclinics@uq.edu.au)

Web: [www.health-clinics.uq.edu.au](http://www.health-clinics.uq.edu.au)

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## UQ Health & Rehabilitation Clinics - Audiology Clinic

Please report to Clinic Reception on arrival, located on **Level 1**

Therapies Building (Building 84A)

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