

# Enhanced learning with EduMic



Introducing students  
to an outstanding  
sound experience in  
the classroom



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# Barriers to teaching and learning in the classroom

The modern classroom is filled with challenges for children with hearing loss. Noise, distance and reverberation adds a layer of complexity to communication and learning. Differing teaching styles, different classroom configurations, complex digital devices and group work may increase the challenges that today's teachers face.

To develop language and enhance learning, students need to be able to hear the teacher's voice clearly. Compared to children with normal hearing, children with hearing loss experience more difficulty in perceiving speech and learning words in noise.

Therefore, optimising the signal-to-noise ratio becomes crucial.\* Direct access to the teacher's voice via a wireless remote microphone can help manage noise, reverberation and distance. For this, teachers need a flexible, discreet device that is simple and intuitive to use.

## Give your students a great start with EduMic

EduMic is Oticon's new wireless remote microphone system to support children with hearing loss in the classroom. With EduMic, teachers can communicate clearly and effectively with their students by pushing a single button. The EduMic 2.4 GHz wireless system works seamlessly with Oticon's paediatric hearing aids: Oticon Opn Play™ and Oticon Xceed Play.

**According to a study at Boys Town National Research Hospital, researchers found a significant improvement in speech understanding in a noisy and reverberant environment for students wearing EduMic.\*\***

## World class sound quality with OpenSound Navigator™

The ground-breaking OpenSound Navigator is built into Oticon paediatric hearing aids\*\*\* and gives students 360° access to sounds in simple and complex listening environments. This revolutionary hearing technology allows students to learn and grow by hearing the teacher clearly while interacting with classmates in the classroom.\*

However, when noise, distance and reverberation become challenging in the classroom, EduMic is a vital partner to the hearing aids. EduMic uses the same innovative open sound technology found in our hearing aids to analyse, balance, and remove noise. It delivers stable and clear access to the teacher's voice by continuously monitoring the environment and removing unwanted noise - even between words.

Both EduMic and our paediatric hearing aids are based on Oticon's BrainHearing™ technology that is designed to deliver what the brain needs to make sense of sound.

## A powerful partnership for better speech understanding

Oticon's paediatric hearing aids and EduMic work together to maximise students' speech understanding for language development, learning and socialising opportunities. This is made possible by the powerful Oticon Velox S™ platform featuring the 2.4 GHz TwinLink™ communication system. Velox S is the fastest, most advanced signal processing platform we have ever developed. TwinLink allows outstanding binaural hearing aid processing while streaming to hearing aids simultaneously.



\*Ng, 2019, Oticon Whitepaper \*\*Gordey & Rumley, 2019, Oticon Whitepaper \*\*\*EduMic is compatible with all 2.4 GHz Oticon hearing aids based on the Velox and Velox S platform.

# Designed for today's learning environments

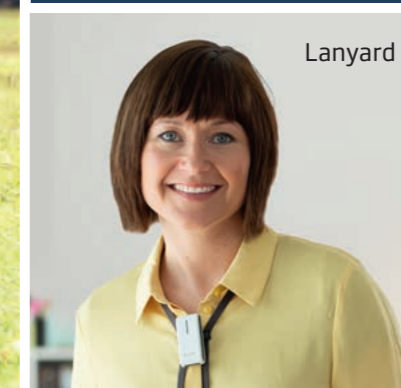


“I prefer EduMic because it is easier to use, smaller and lighter... I like the wearing options of EduMic on the lanyard or on the clip.”\*

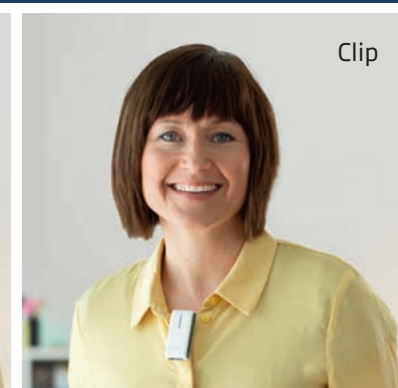
— Anna M., test user of EduMic, Toronto

## Wearing options for individual preference

EduMic is a flexible solution and can be worn in multiple ways to match the teacher's personal preference and style. Use the rotating clip to attach it to a lapel, collar, or pocket, or use the easy-adjustable lanyard to comfortably wear EduMic around the neck.



Lanyard



Clip

## From the field to the classroom, EduMic is designed to make teaching, learning and playing easier

EduMic is designed to let teachers focus on what's important: connecting with and teaching children - in and out of the classroom. The lightweight device features a sleek, modern design, 10-hour battery life and is easy and intuitive to use - making EduMic an attractive and discreet solution in educational settings.

The 2.4 GHz technology provides a stable signal and connects to an unlimited number of hearing aids. EduMic only needs to be paired once, making it very easy to use. In addition, it is more affordable than most other remote microphone systems and due to the integrated receiver system, there is no need to invest in

additional components. Unlike traditional classroom systems, the 2.4 GHz wireless receiver is fully integrated into all Oticon hearing aids powered by the Velox and Velox S platforms.

**In a recent study\*, teachers showed a strong preference towards EduMic in regards to design and comfortability, compared to a competitor's remote microphone. Furthermore, teachers rated the EduMic as:**

- Easier to use compared to a leading device on the market
- Very user friendly to pair and mute
- Very comfortable to wear

## Two LED indicators let teachers know the status of the device at a glance.



## Built to last

EduMic is robust and designed to handle the demands of everyday life and withstand accidental dropping. EduMic uses a single rechargeable Li-ion battery that can be left charging overnight without fear of overcharging.

Signal strength is also thoroughly tested in a typical classroom environment to ensure a high-quality connection. The 2.4 GHz signal is strong and stable even in a typical WiFi-heavy environment when the teacher is speaking through EduMic.

\*Gordey & Rumley, 2019, Oticon Whitepaper

These testimonials represent the opinion of the concerned individuals only and may not be representative of the experience of others. The participants have not been paid for their participation, but received a gift card to offset their travel expenses. The testimonials may not be indicative of the future performance or success of any other individuals.



## Excellent compatibility in today's modern classroom

EduMic gives teachers the flexibility to stay connected to their students and keep them engaged during class. Teachers can use EduMic for daily classroom activities, such as plugging into a computer, smart board or tablet using the 3.5 mm audio jack connection. And easily unplug EduMic from the audio source when the media content has ended and resume microphone mode.

The audio jack input also allows for easy integration with existing sound field systems. These systems allow access to multiple audio sources and microphones

simultaneously. When moving to another classroom, the student or teacher can easily unplug the EduMic and take it with them to the next classroom.

The integration and flexibility of EduMic allow students with hearing loss access to audio sources and ensure that children are connected in today's modern classrooms.



### Connect with existing remote microphone systems

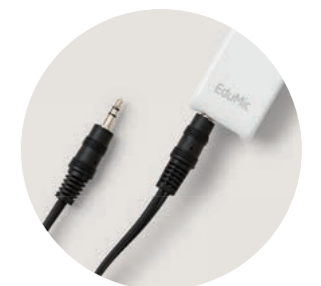
EduMic can quickly and easily be connected to existing remote microphone systems using a standard European connector.

This gives teachers the freedom to use the convenient EduMic solution with their existing remote microphone system without having to wear two microphones.

### Connectivity options with EduMic



EduMic can be worn as a remote microphone for the teacher to communicate directly with the child.



Use the 3.5 mm audio jack to stream sound from a computer, smart board or tablet directly to the child's hearing aids.



EduMic links Oticon hearing aids to existing remote microphone systems in the classroom using a standard European connector.



EduMic gives users access to teleloop systems often found in theatres, cinemas, churches and lecture rooms.

**Manufactured by :**

Oticon A/S  
Kongebakken 9  
DK-2765 Smørum  
Denmark  
[www.oticon.global](http://www.oticon.global)

**Imported and Distributed by:**

Audmet Canada Ltd  
1600-4950 Yonge St  
Toronto, ON M2N 6K1  
[www.oticon.ca](http://www.oticon.ca)

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