

Tech Talk

Technology Considerations to Improve Access, Involvement, Outcomes



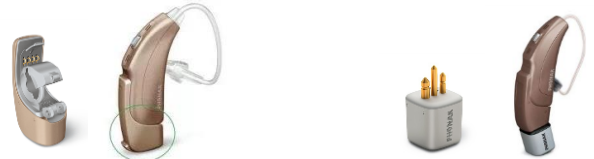
Phonak Roger Inspiro Personal DM System

Your student uses an *Phonak Roger Inspiro* personal DM (digitally modulated) system to access auditory information in the classroom. The term DM system refers to what was previously known as a personal FM system. While FM/DM systems may have a different physical appearance, they all function in a very similar manner. The instructor wears a *microphone* and *transmitter* that sends their voice to *receivers* that 'talk to' the hearing aids/cochlear implants. Consistent and proper use of this technology is imperative.

Phonak Personal DM Receivers

The part of the DM system, worn by the student, that 'receives' the instructor's voice from the DM microphone and sends it to the hearing aids/cochlear implants.

These style of receivers can be integrated with the students' hearing aids or connect to the hearing aids via an audio shoe.



This style of receiver 'talks' to the hearing aids/cochlear implants via an electromagnetic signal.

The student wears this neck loop device around their neck, either inside or on top of clothing.



Phonak Inspiro T30 Transmitter & Microphone

The part of the DM system that the instructor wears to 'transmit' their voice to the student's DM receiver(s).

The two, grey dots are the microphone openings. Any time something touches or rubs against these openings, unwanted sound will be transmitted to your student's brain.



The placement of the lapel microphone will strongly impact how well your student accesses verbal instructions.

The transmitter must be worn at the STERNUM LEVEL (no lower), with the two, grey dots pointing **outward** and with the cable fully extended - do not wrap the cord.

Scarves and jewelry are discouraged, as rubbing or clanking sounds will be transmitted directly to your student's brain.



Placement of the mic should be approximately 8 inches from the mouth as shown in the picture.

How do I use the Insprio DM system?

Each day a listener MUST ensure that the DM is working. This can be the student, teacher or other school personnel. This is done by performing either a [listening check](#) or [functional check](#) at the start of each day. Below are instructions for use:

	Turning On/Off	Muting	Charging/Batteries
	<p>The on/off switch is on the top portion of the transmitter.</p> 	<p>The mute button is the microphone button, on the front of the transmitter.</p> 	
How:	Slide the on/off switch.	A short push of the microphone button.	Plug the charger into the USB charging port.
Display:	<p>Green bar indicates that the transmitter is on and the LED screen will light up.</p> <p>Note: It takes 6-8 seconds for the microphone to activate after turning on. Do <u>not</u> start speaking until the microphone is active.</p>	When muted, a red line will be displayed overtop of the microphone icon on the LED screen.	

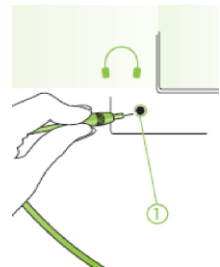
More Info:	It is recommended that the DM system be turned ON at the start of the day and only turned OFF at the end of the school day. Use the MUTE function at all other times.	Remember to un mute your microphone when starting to speak.	Charge at the end of each school day, regardless of the the battery indicator. Do NOT wait for the Inspiro to die before charging!
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When should the DM system be used?

DM systems should be used any time that the student with hearing loss is listening to learn or communicate. This would include:

Teacher lectures	Announcements
Instructions/introductions	Field trips
Peer communication	Guest speakers
Educational Assistants	Assemblies
Substitute teachers	Etc.

The Inspiro can also be plugged into a computer or any device that has a headphone symbol, for personal listening activities. You will need a 3.5-3.5 stereo audio cord (one comes with each FM system). This will allow your student appropriate auditory access to activities such as computer-based teaching, listening centers, MP3 players, iPad, etc.



***** When the audio cord is plugged into the aux audio port, the microphone will be automatically muted so that your student only hears the audio from the intended source (e.g. computer). Be aware of this when communicating with your student. Unmute and use the microphone if necessary.

Please note: Integrating a student's Inspiro transmitter with CLASSROOM AUDIO DISTRIBUTION technology (CADS) is *ONLY* recommended for auxiliary audio listening activities (e.g. SmartBoard activities).

Students' Inspiro transmitters should NOT be interfaced with the CADS during instructor instruction unless specified by an Educational Audiologist.

DM systems can also be used during home activities (e.g. car, grocery store, family trips) or extracurricular activities (when coaches or instructors may need to communicate with the child from a distance).