

# Oticon opens up a world of power

Redefining child-friendly hearing care



Oticon Xceed Play  
for children with  
severe-to-profound  
hearing loss

# More access to speech for better language development



## Better hearing starts with the brain

Oticon Xceed Play is built on the Oticon philosophy that better hearing starts with the brain. We call this BrainHearing™ and it is an approach that supports the natural way children's brains process sounds.

Oticon Xceed Play applies proven BrainHearing technology, which provides access to a 360° balanced soundscape, so that children get the opportunity to choose who and what to listen to.

## The world's most powerful pediatric hearing aid



The advanced Velox S™ platform fuels Oticon Xceed Play with unprecedented computation power to create a life-changing experience for children.

- Industry leading output and gain: 146 dB SPL MPO and 87 dB full-on gain\*
- OpenSound Navigator™ and OpenSound Optimizer™ give 360° access to speech all day
- Speech enhancement features Speech Guard™ LX and Speech Rescue™ LX
- Excellent sound quality with 48 processing channels and 14 fitting bands
- Wireless connectivity to a comprehensive range of devices

## Introducing the open sound experience for pediatric power users

Oticon's pediatric ambition is clear. We want to create a better future for every child with hearing loss - not least those with severe-to-profound hearing impairment. In most cases, these children need immediate support in order to open up to the world, connect with loved ones and grow, thrive and learn.

Now, Oticon Xceed Play is truly setting a new standard among pediatric power hearing aids. Thanks to the two proven features, OpenSound Navigator and OpenSound Optimizer, our new power hearing aid gives children with severe-to-profound hearing loss 360° access to clear speech for the very first time. Oticon Xceed Play helps pediatric power users of all ages hear more and provides better conditions for speech understanding and language development.



# OpenSound Navigator gives 360° access to speech

## Traditional technology

In noisy environments, traditional technologies in pediatric power hearing aids do not give access to clear speech from all directions. This limits the conditions for optimal learning.

**Traditional omnidirectional technology** gives unorganized access to sounds all around - including noise. This makes it very hard for children with severe-to-profound hearing loss to separate speech from noise and to understand what is being said.

**Traditional directional technology** focuses on the speaker directly in front of the child and closes down other sounds, creating a narrow and artificial environment. This technology does not provide the stimuli the brain needs and limits the opportunities for developing basic auditory skills, incidental learning and environmental awareness.

## New technology

**With Oticon Xceed Play, children with severe-to-profound hearing loss can now have 360° access to speech. This makes it easier for the child to hear, learn and participate.**

The groundbreaking OpenSound Navigator works ultra-fast and constantly monitors, prioritizes and preserves speech from all directions. It reduces noise extremely fast, even in between words.

As a result, Oticon Xceed Play gives access to more detailed speech. This makes it easier to understand what is being said and develop auditory as well as language skills. By opening up to a more meaningful balanced soundscape, opportunities for incidental learning and environmental awareness can also take place.

## OpenSound Navigator

Three steps in a split second

-  **1: Analyze**  
Scans the full 360° sound environment more than 100 times per second to identify noise and separate it from speech.
-  **2: Balance**  
Rapidly reduces the levels of loud noise coming from specific directions, while preserving speech.
-  **3: Noise removal**  
Rapidly attenuates remaining diffuse noise, even between individual words, making speech signals clear and detailed.

# OpenSound Optimizer delivers optimal gain and prevents feedback from happening

Children's hearing aid fittings are often unable to meet the prescribed gain due to the risk of feedback, and this is especially frequent with power fittings.\* This is critical, because to these young clients every dB counts in order to be able to make sense of speech and develop basic language skills.

The innovative and multi-patented OpenSound Optimizer significantly changes all of this by proactively preventing feedback from happening.

## Old world

**Traditional anti-feedback systems can leave power users under fit and manipulate the speech signal due to unstable amplification caused by feedback risks.**

Because these systems are too slow to react, they utilize gain reduction and other measures to keep the hearing aid stable. This results in compromised audibility, sound quality and speech intelligibility.

In fact, traditional anti-feedback technology can reduce gain by up to 10 dB, up to 50% of the day.\*\* This causes discomfort when feedback arises and compromises the child's ability to naturally focus on surrounding sounds.

### Traditional hearing aids - examples



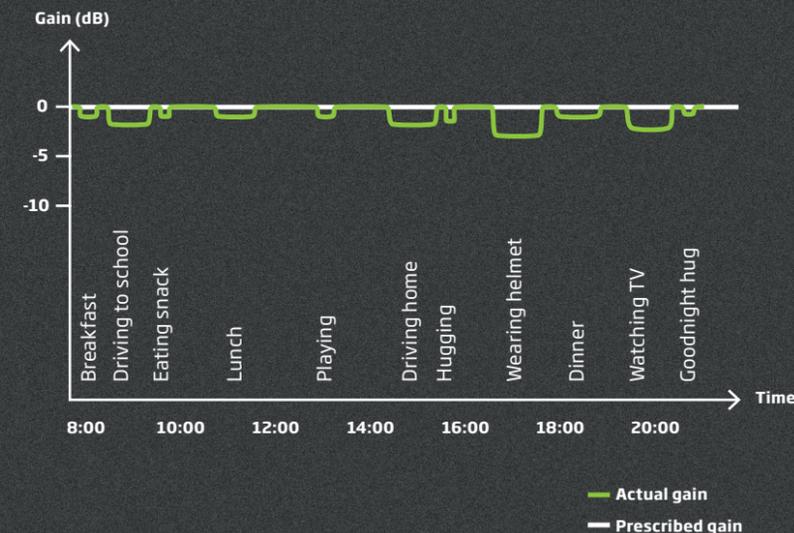
## New world

**OpenSound Optimizer prevents feedback from happening and dramatically reduces the gain reductions during the day. Oticon Xceed Play provides optimal amplification of speech according to prescription in a more comfortable and stable way.**

OpenSound Optimizer analyzes the amplified sound at an astonishing 56,000 times/second and significantly reduces feedback before it even happens. This gives better sound quality and consistent access to speech with increased comfort, while it allows children to play, hug and interact more freely.

Without the high risk of feedback, Oticon Xceed Play enables you to fit your pediatric power users with up to 6 dB more stable gain.\*\*\* This provides the brain with up to 20% more speech cues.\*\*\*\* Now you are better equipped to make sure the child leaves the clinic with a well-fitted hearing aid that gives more access to speech throughout the day.

### Oticon Xceed Play - examples



# Connect wirelessly to the world

For children with severe-to-profound hearing loss, any accessories that can boost the signal-to-noise ratio and make everyday life easier are highly appreciated.

Oticon Xceed Play connects wirelessly to modern smartphones and gives access to a wide range of accessories via 2.4 GHz Bluetooth® low energy technology, providing direct streaming of stereo sound to both ears.



## Remote microphone

The remote microphone in ConnectClip enhances communication and is ideal in challenging environments with a poor signal-to-noise ratio, such as in the car.



## Classroom solutions

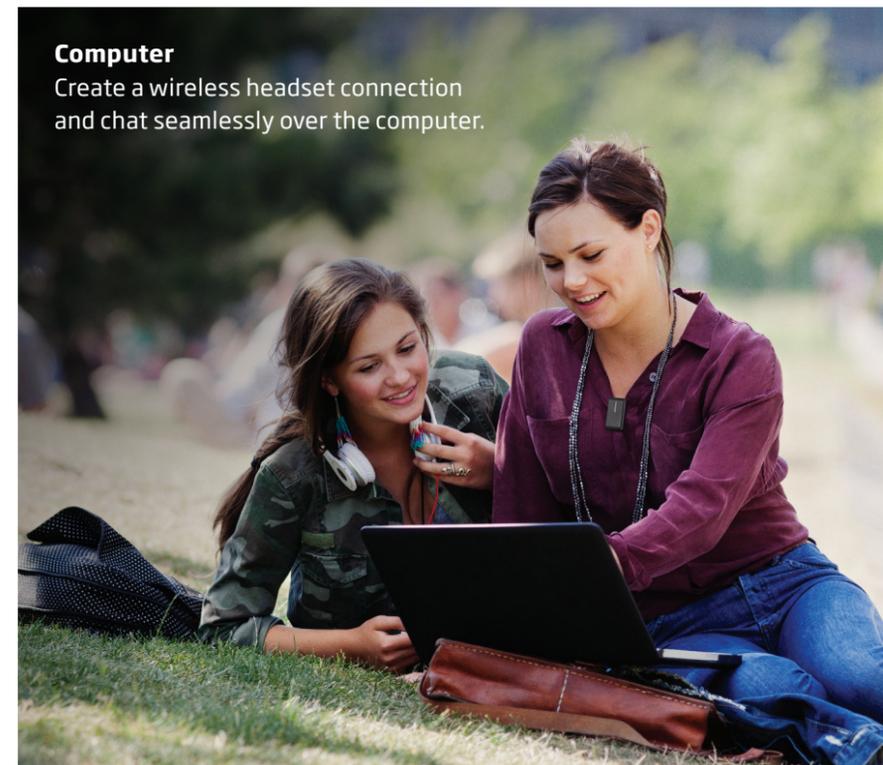
Oticon Xceed Play offers a broad range of classroom connectivity options to ensure technology does not stand in the way of smoothly integrating students with hearing loss.

The ConnectClip wireless microphone enables 1:1 communication through the fully integrated 2.4 GHz receiver. The Amigo R12G2 ear-level FM receiver makes it possible for students and teachers to connect and communicate via existing school FM systems, including Amigo.



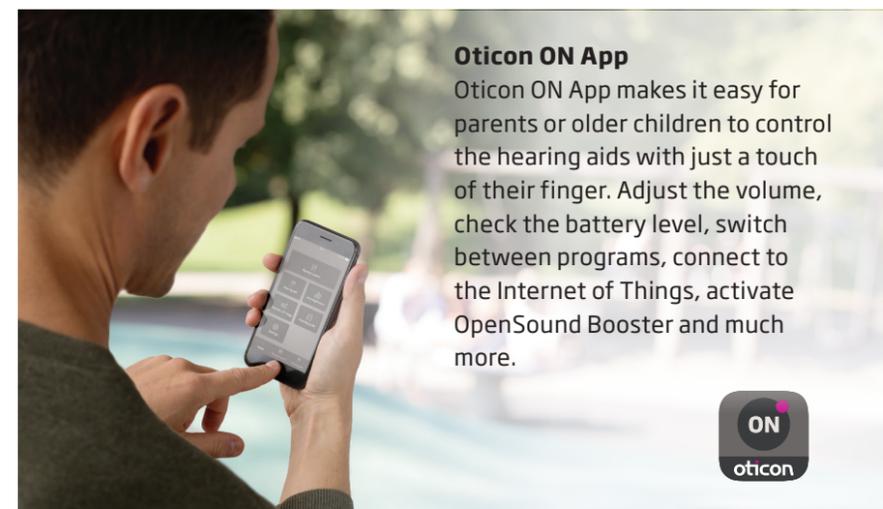
## Modern smartphones

Oticon Xceed Play is Made for iPhone® and connects to any modern smartphone via ConnectClip. ConnectClip turns Oticon Xceed Play into a high quality, wireless headset that streams sound to both ears.



## Computer

Create a wireless headset connection and chat seamlessly over the computer.



## Oticon ON App

Oticon ON App makes it easy for parents or older children to control the hearing aids with just a touch of their finger. Adjust the volume, check the battery level, switch between programs, connect to the Internet of Things, activate OpenSound Booster and much more.



# This is Oticon power

Oticon Xceed Play joins our high quality lineup of Oticon Opn Play power instruments, all with the open sound experience and a wealth of features.



**OpenSound Navigator™**  
Analyzes, balances and attenuates noise to support better speech understanding and learning across environments.



**OpenSound Optimizer™**  
Delivers optimal gain with greatly reduced risk of feedback.



**Speech Guard™ LX**  
Preserves natural speech cues across different listening situations, improving speech understanding even in noisy environments.



**Speech Rescue™ LX**  
Makes high frequency sounds more audible.



**TwinLink**  
Uncompromising binaural information exchange for direct streaming to hearing aids and binaural processing simultaneously.

## Oticon Xceed Play - designed to stand up to the test of childhood

- Available in two BTE styles - A super power with a 13-size battery and an ultra power with a 675-size battery
- Two price points - Oticon Xceed Play 1 and Oticon Xceed Play 2
- Tamper-resistant battery drawer
- IP68-certified design includes water, dust and debris barriers
- LED indicator gives visual confirmation that the battery is functioning properly

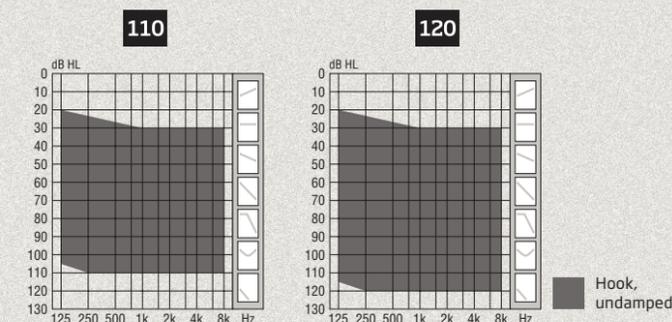
### Bimodal fitting

All Oticon power hearing aids can be fitted together with any cochlear implant. The bimodal fitting tools are now available in Oticon Genie 2.

## Available in 12 child-friendly colors



## DSL fitting ranges BTE SP and BTE UP



**OSPL90 (peak)**  
Ear simulator 143 dB SPL  
2cc coupler 139 dB SPL

**Full-on gain (peak)**  
Ear simulator 83 dB  
2cc coupler 79 dB

**OSPL90 (peak)**  
Ear simulator 146 dB SPL  
2cc coupler 142 dB SPL

**Full-on gain (peak)**  
Ear simulator 87 dB  
2cc coupler 83 dB

