



Artificial Intelligence in Sky CI M

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A Sonova brand



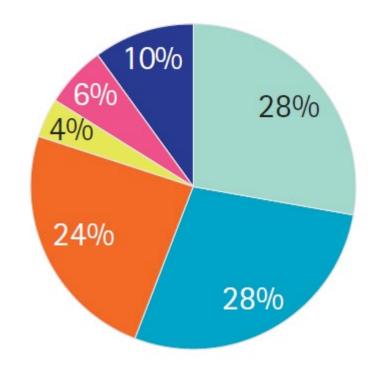
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Children with Hearing Loss



- Children spend time in a variety of environments.
- No single program performs best.









Sky CI M with
AutoSense Sky OS



Naída CI M with AutoSense OS

AutoSense OS Development



Recorded sound scenes were used to train the system to identify acoustic characteristics and patterns.



The system determines the probabilities of degree of match for the most optimal selection of sound settings in each environment.



Research results have confirmed recipient preference for automatic programs over manual programs.



As technology evolves, the role of hearing instruments also evolves.



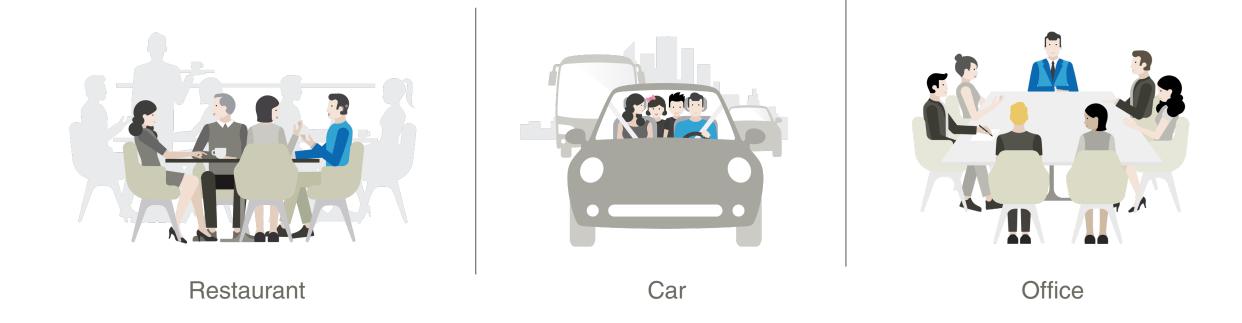
Sky CI M





AutoSense with Marvel CI

Sky CI M and Naída CI M



How does it work?

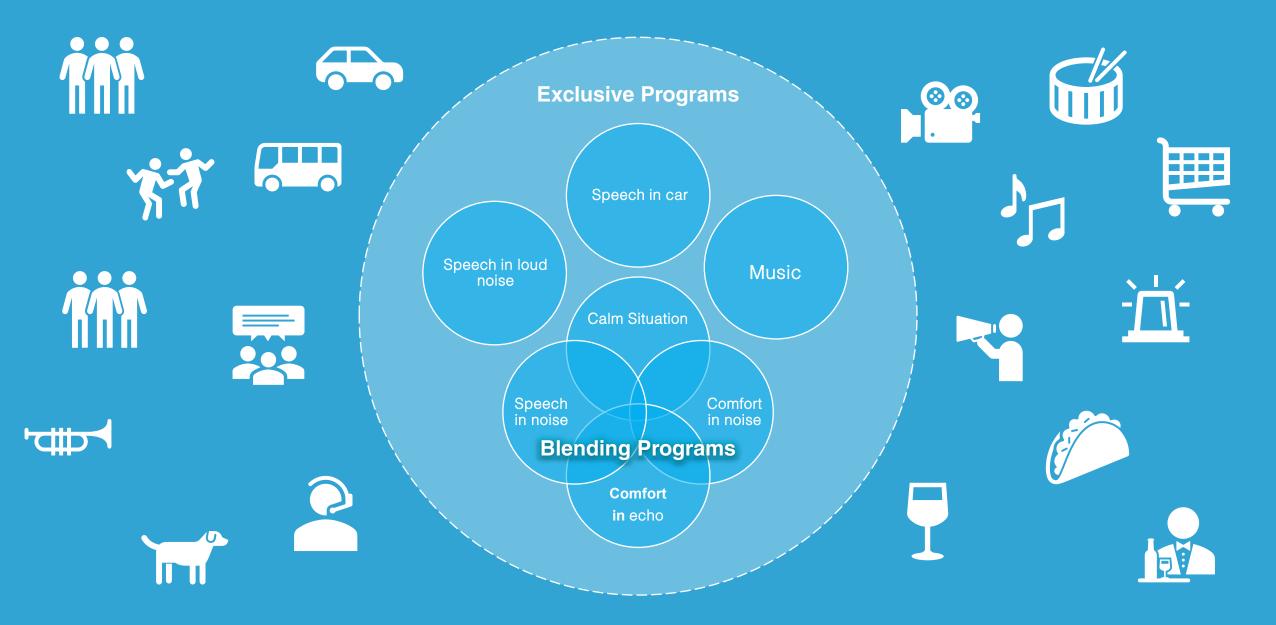
- Analyzes incoming sounds every 400 ms
- Classifies sounds based on this analysis
- Uses artificial intelligence to automatically activate the appropriate blend of settings



Can you squeeze your entire life into 5 or 6 listening environments?



Can you squeeze your entire life into five or six listening environments?





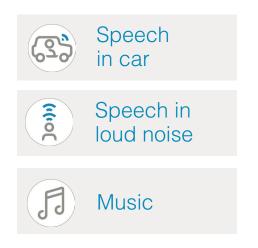
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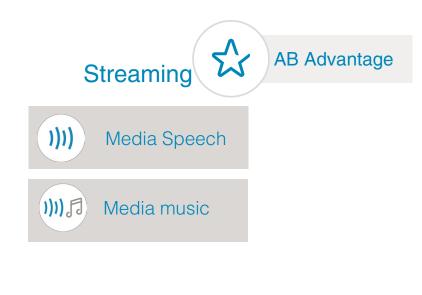
AutoSense OS is designed to draw upon multiple features to blend sound classes to create over 200 distinct settings based on the specific listening environment*.

Inputs are classified as Acoustic or Streaming.

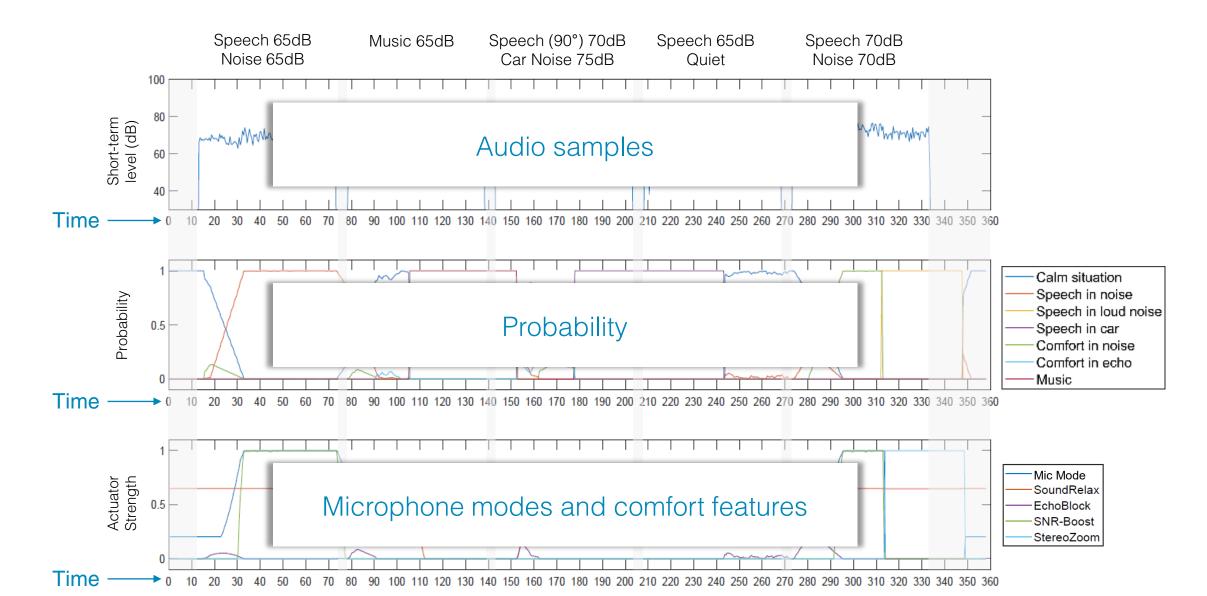
Acoustic





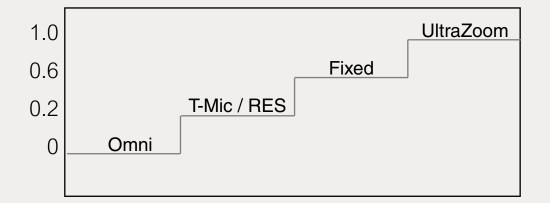


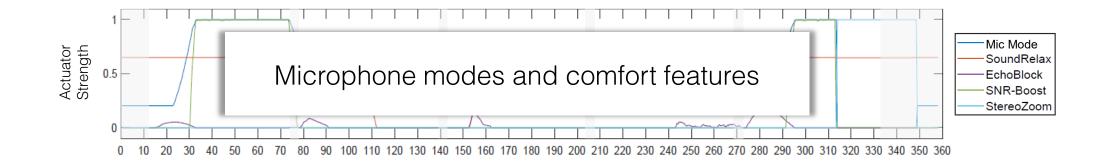




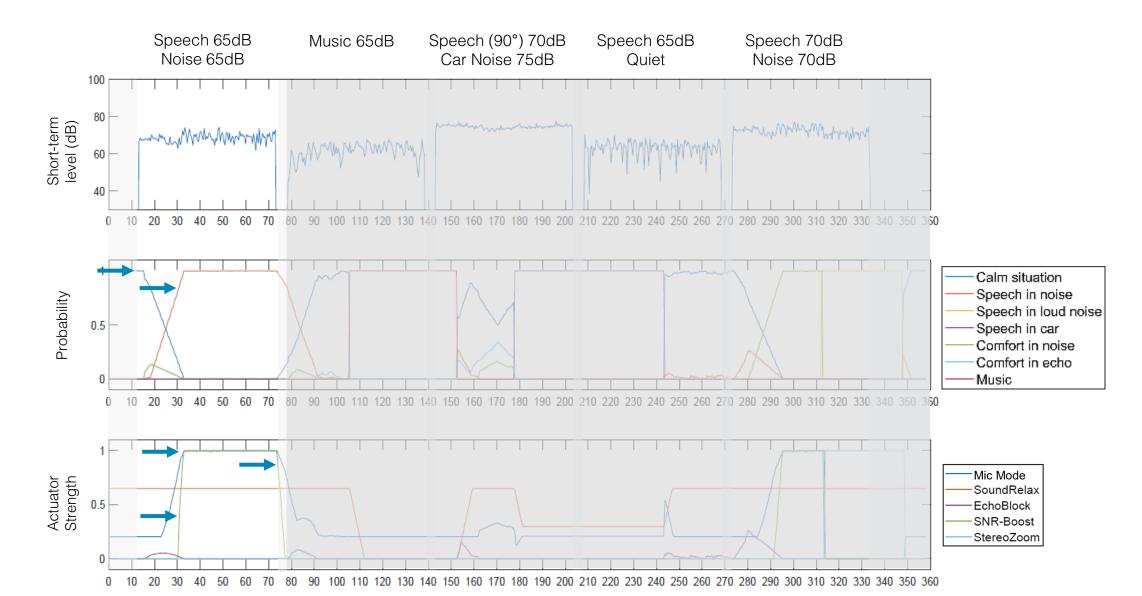




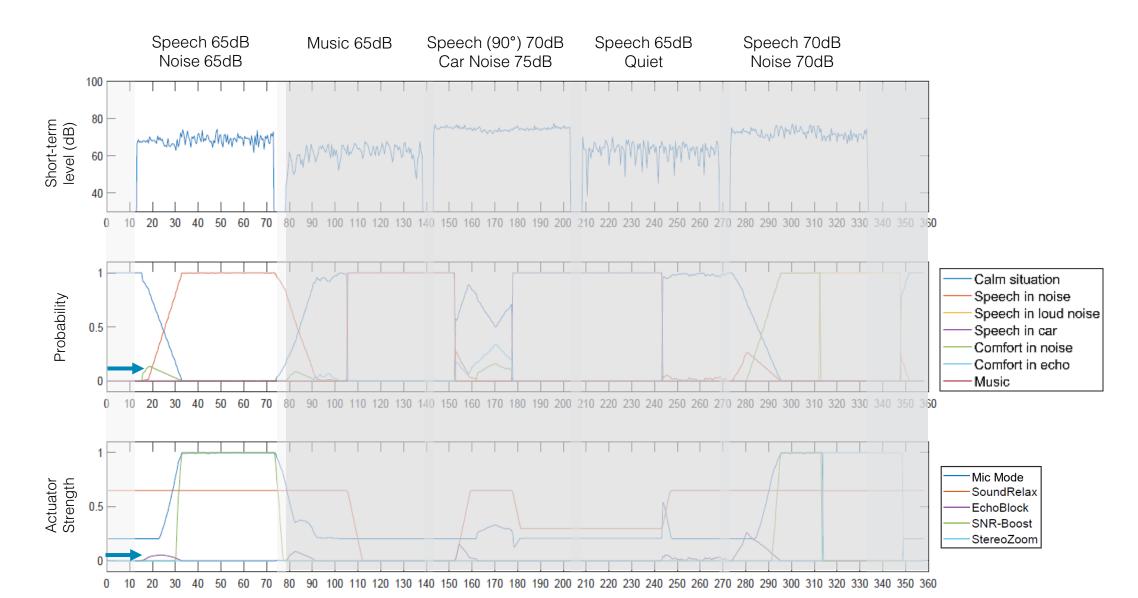




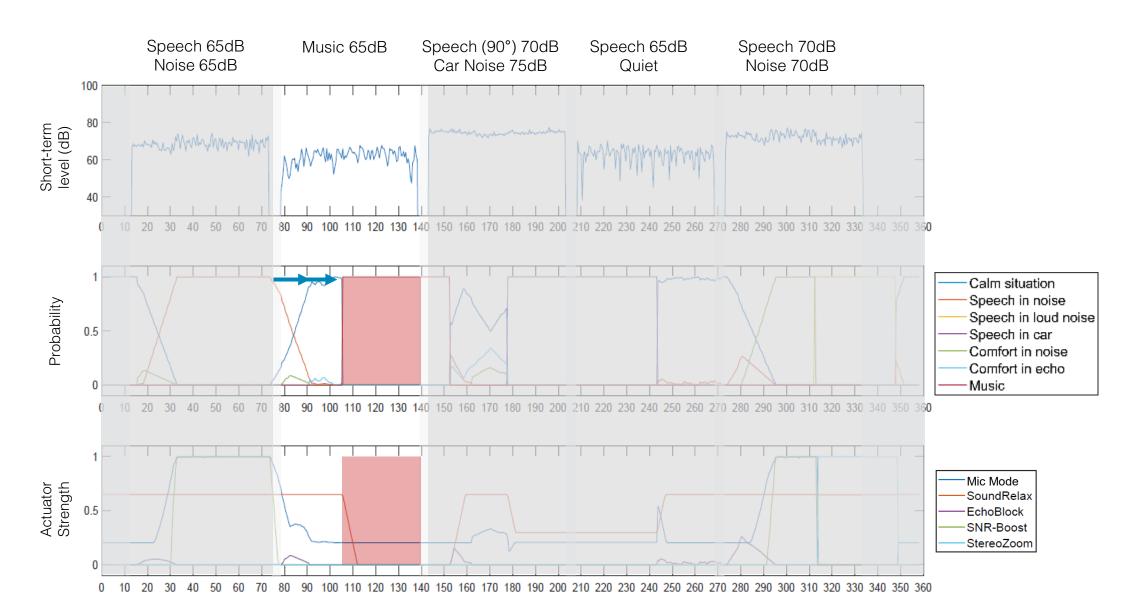












Research

Evidence suggests that children who are deaf/hard of hearing using devices can benefit from noise management for improved perception.*

Automatic noise reduction and automatic directional microphones have been identified as the most important noise management features for school-aged children by pediatric CI audiologists[†].



AutoSense Sky OS Research

Improvement in Percent Correct – Pediatric AzBio

AB

21%

Improvement at 0 dB SNR

(vs Omni Mic)

46%

Improvement at -5 dB SNR



Real Life Experience

Fga Javiera Herrada, MSc - Universidad de Chile

...(I am) very happy with the new technology and surprised by the change in patient performance in the presence of noise. Additionally, I highlight the ease with which patients adapted to the new processor both in program/volume management and with this new way of listening through the use of AutoSense OS.



SKY CI M with AutoSense Sky OS

Ultimate ease of use

Provides automatic access to a variety of features

Effortless comfort and convenience

Customizes sound based on the recipient's environment

A powerful hearing experience

Designed to deliver clear, rich sound in any listening environment

