A New Approach to Attacking the Noise Problem

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- Transmitted to you in cooperation with our colleagues at AudiologyOnline.
- If you are experiencing audio or visual difficulties, please contact AudiologyOnline (800-753-2160)

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OpenSound Navigator™

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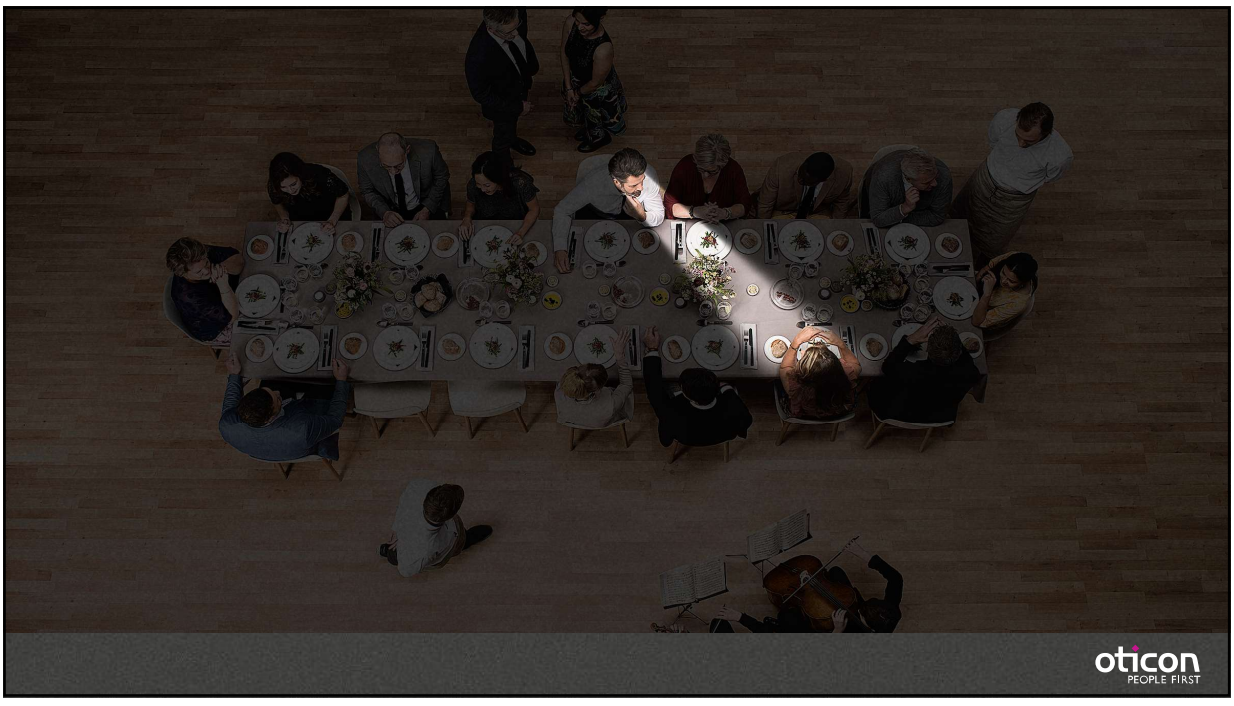

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The Oticon Approach

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Dealing with Complex Environments

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What is OpenSound Navigator™?

What Makes OpenSound Navigator™ Better?

- 1. Very Powerful Engine
- 2. Very Unique and Smart Signal Processing Ideas

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How Powerful?

- 32 channel directionality updating 125x/sec
  - While identifying and balancing multiple speakers
- Spatially-informed noise removal updating every 10ms
  - Removes noise – preserves speech – even from same direction

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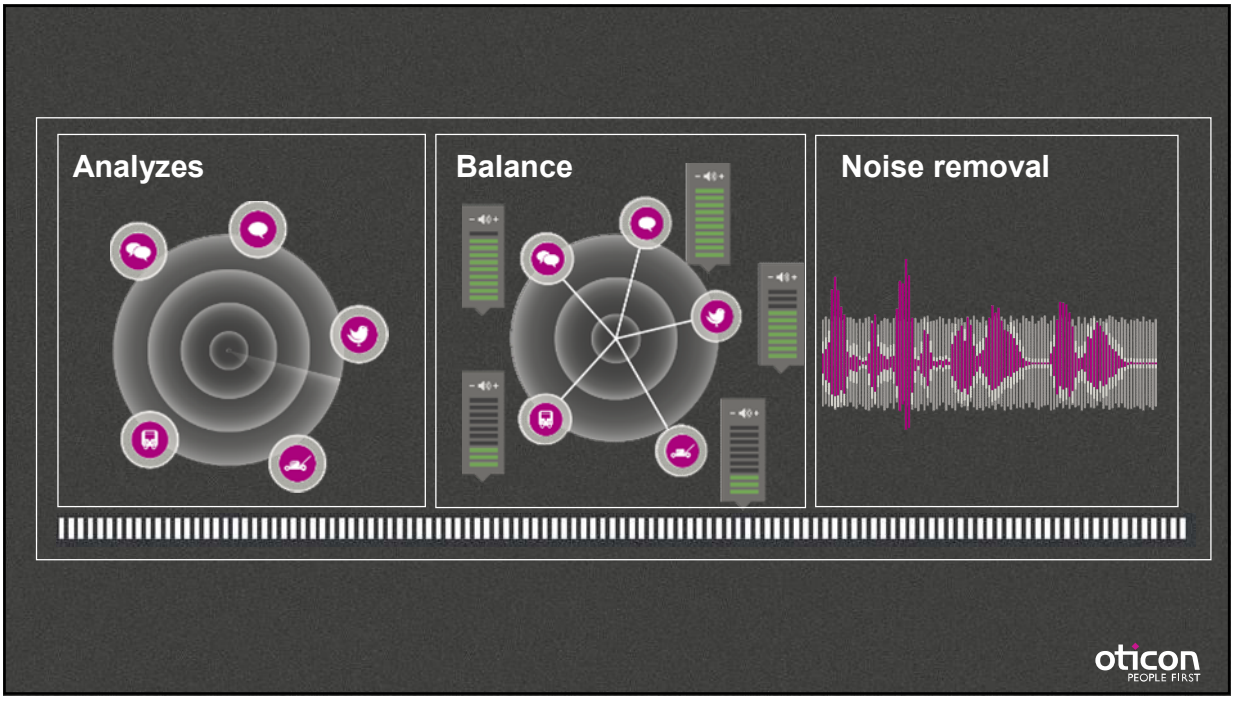
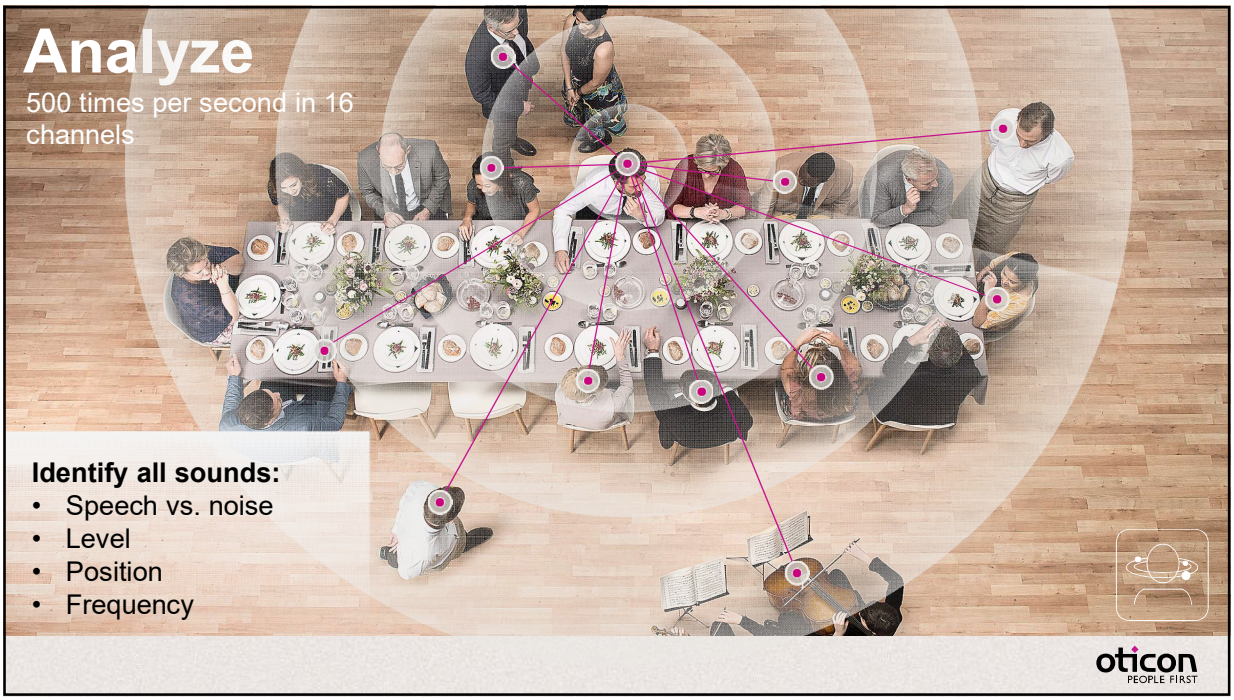
How Does it Work?

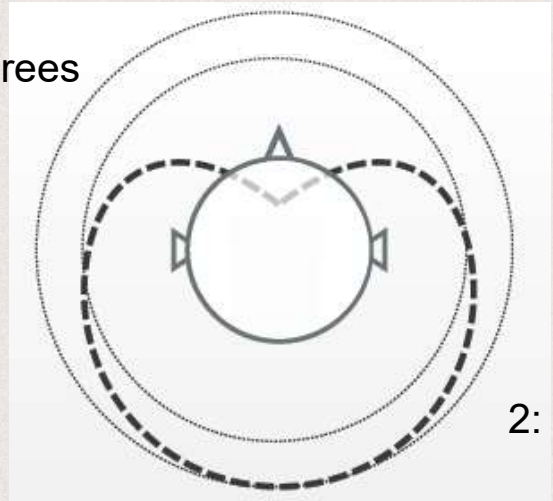




Analyze This

Evaluating the soundscape

1: 360 degrees



2: Rear cardiod

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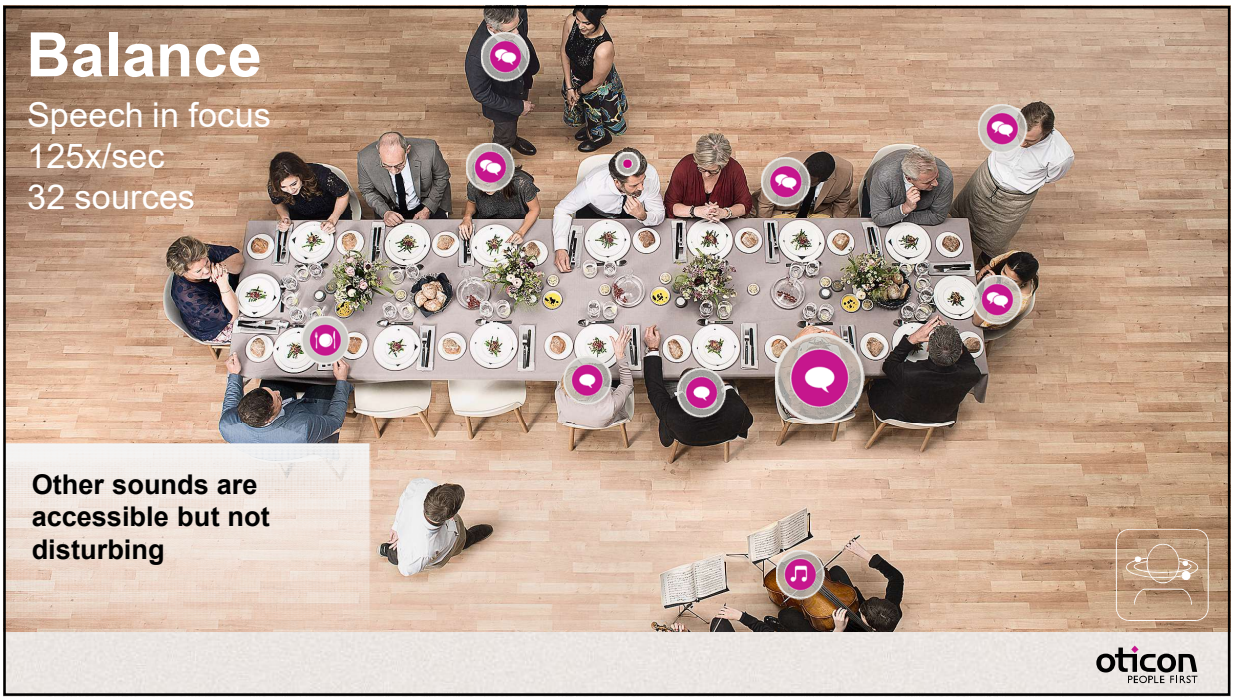
Balance
Speech in focus
125x/sec
32 sources
Other sounds are accessible but not disturbing
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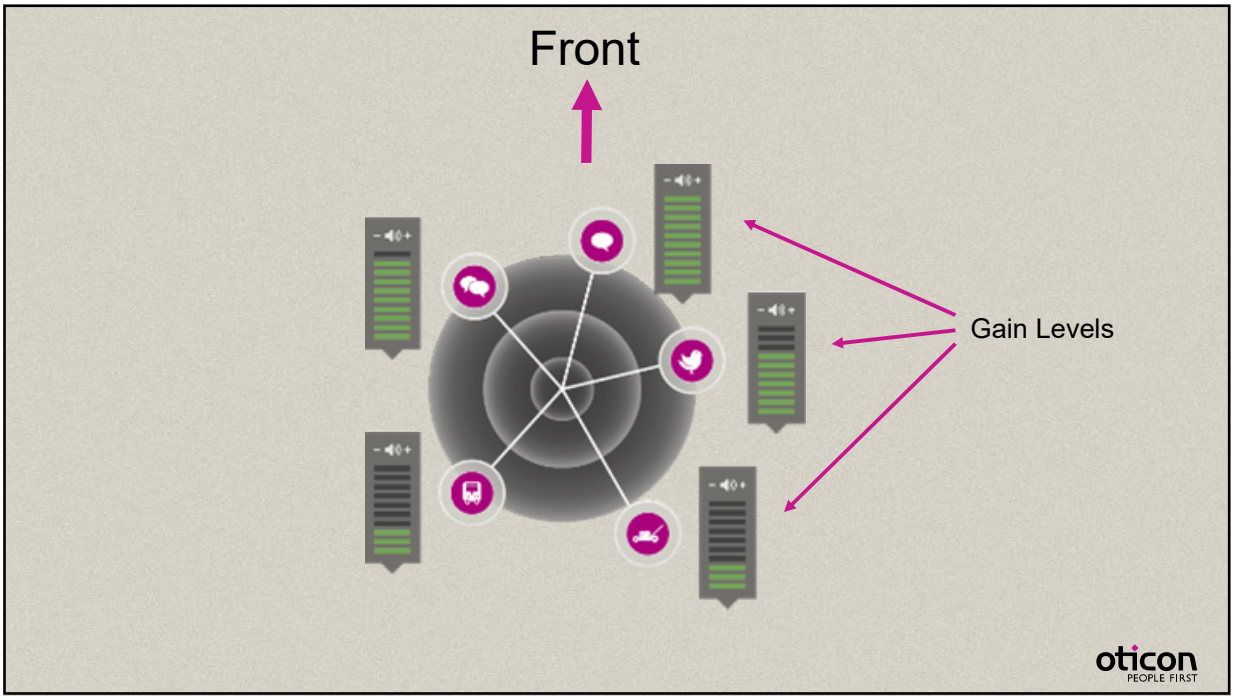
Front
Gain Levels
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OpenSound Navigator in Genie 2016.1

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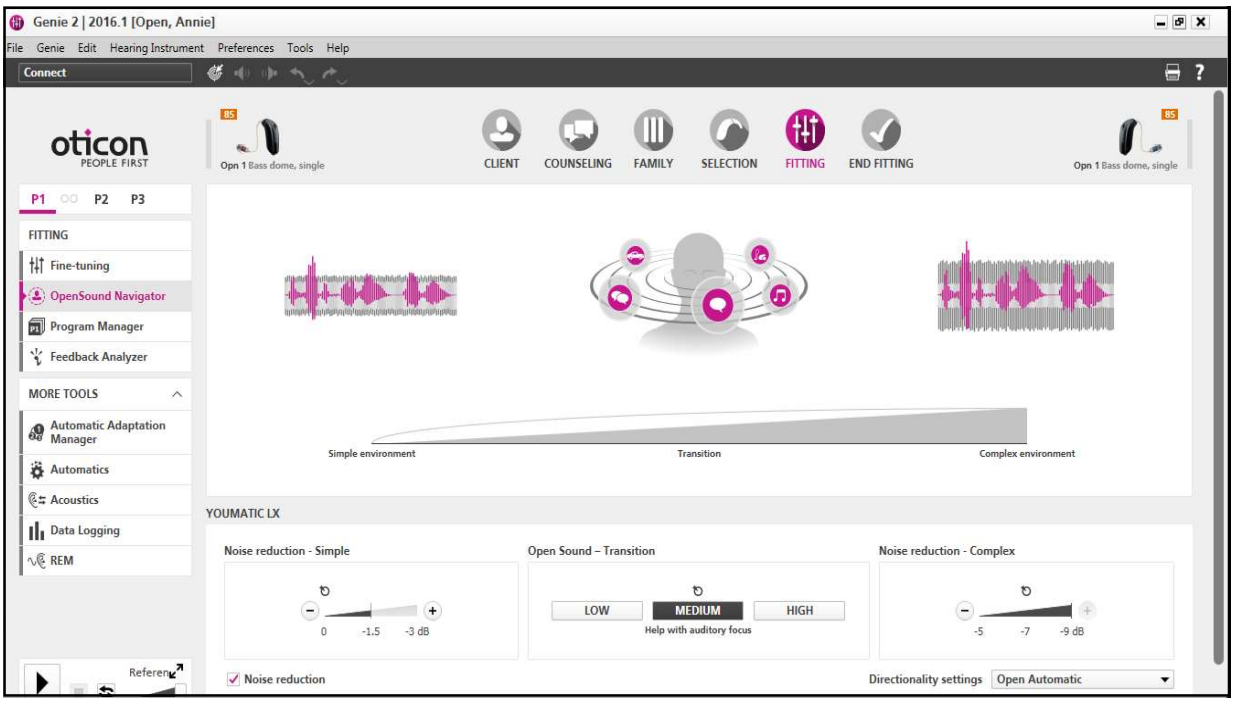

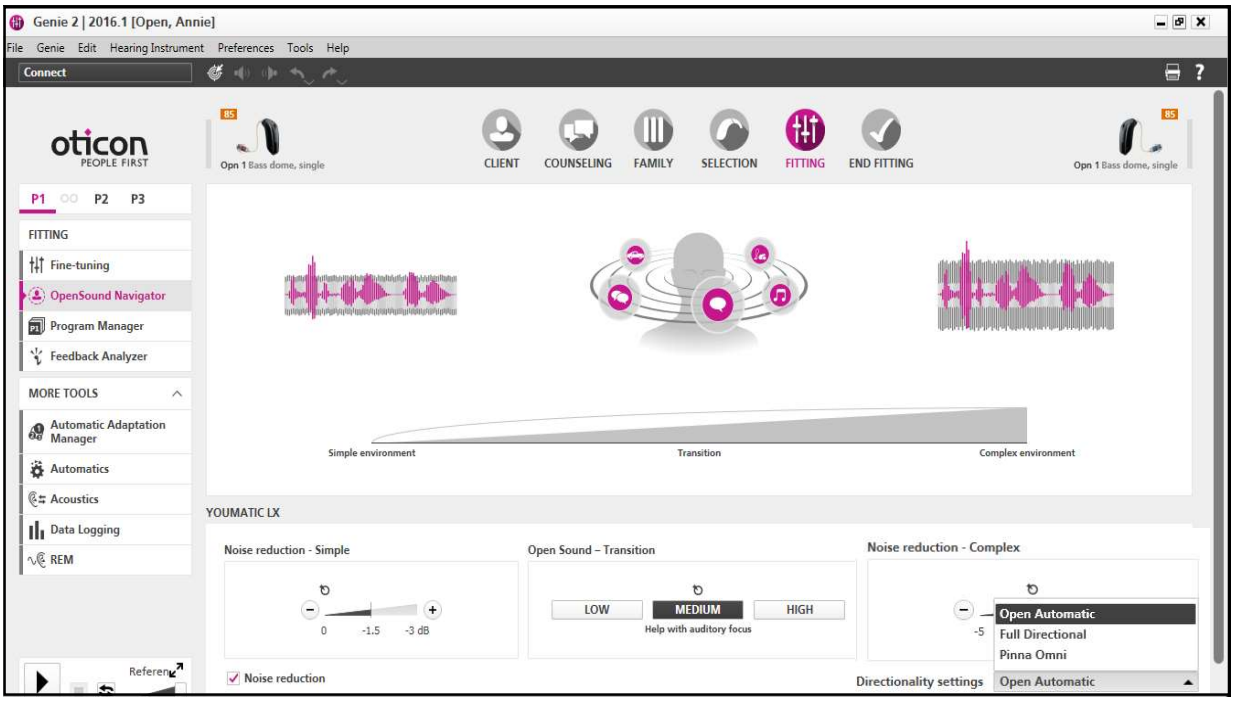
Genie 2 | 2016.1 [Open, Annie]
File Genie Edit Hearing Instrument Preferences Tools Help
Connect
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Opn 1 Bass dome, single
CLIENT
COUNSELING
FAMILY
SELECTION
FITTING
END FITTING
Opn 1 Bass dome, single
P1 P2 P3
FITTING
Fine-tuning
OpenSound Navigator
Program Manager
Feedback Analyzer
MORE TOOLS
Automatic Adaptation Manager
Automatics
Acoustics
Data Logging
REM
Simple environment
Transition
Complex environment
YOUMATIC LX
Noise reduction - Simple
0
-1.5
-3 dB
Open Sound – Transition
LOW
MEDIUM
HIGH
Help with auditory focus
Noise reduction - Complex
-5
Open Automatic
Full Directional
Pinna Omni
Noise reduction
Directionality settings
Open Automatic

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