

LEARNER OBJECTIVES

- Attendees will be able to list the models available with the Widex Unique
- Attendees will be able to describe the new features in the Widex Unique and how they benefit patients
- Attendees will be able to explain how to determine the best product recommendation based on improved signal processing



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EVERY SITUATION IS **UNIQUE**



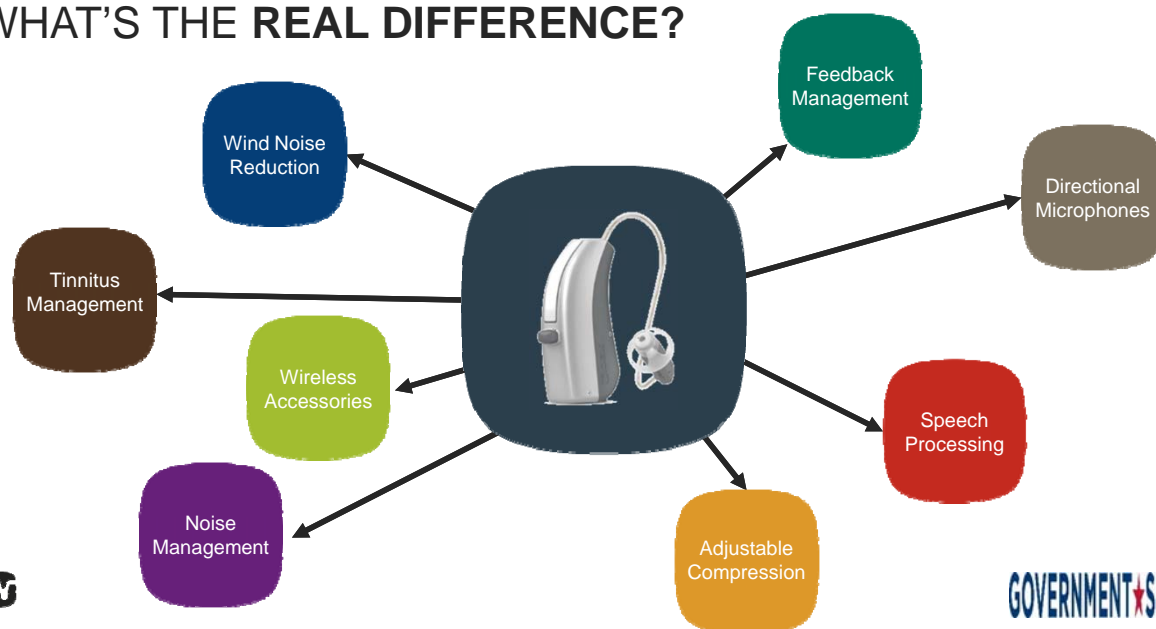
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THE WIDEX LEGACY



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TODAY'S TECHNOLOGY WHAT'S THE REAL DIFFERENCE?



WE JUST DO IT
WIDEX BETTER
 UNIQUE™
 LIVE LIFE LARGE



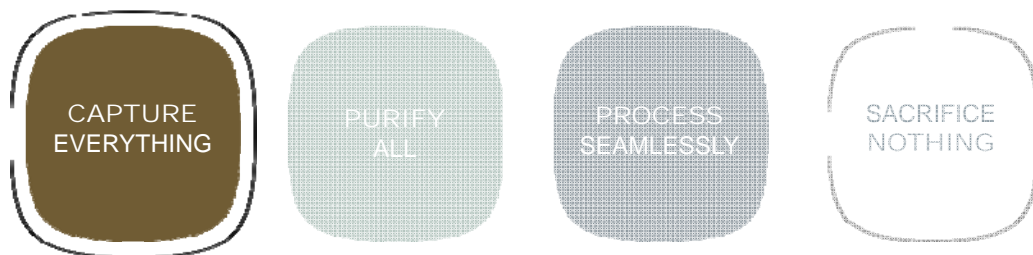
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INTRODUCING WIDEX **UNIQUE**



GOVERNMENT  SERVICES

INTRODUCING WIDEX **UNIQUE**



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UNIQUE NUMBERS



U-PLATFORM

LINEAR INPUT LEVEL	113 dB SPL
SAMPLING FREQUENCY	33.1 kHz
BIT DEPTH	18 bit
LINEAR DYNAMIC RANGE	108 dB
PROCESSING POWER	600 Million Operations/sec
MEMORY	1Mbit
INTEREAR	21 Hz
DELAY	1.3-5 ms
CURRENT CONSUMPTION	< 1.00mA



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INTRODUCING WIDEX UNIQUE



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PURIFY ALL

Bringing **sound quality** to the next level

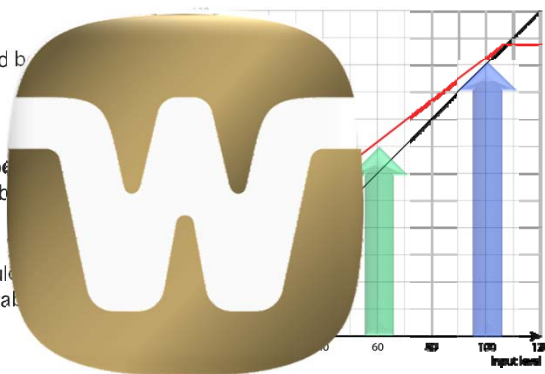
SOFT LEVEL
NOISE
REDUCTION



GOVERNMENT SERVICES

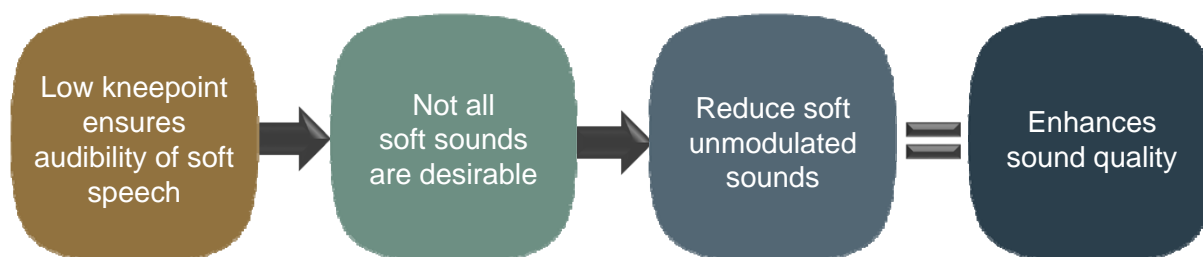
THE WIDEX SOUND

- **Soft sounds** should be
- **Conversational speech** should be comfortable and intelligible
- **Loud sounds** should never be uncomfortable



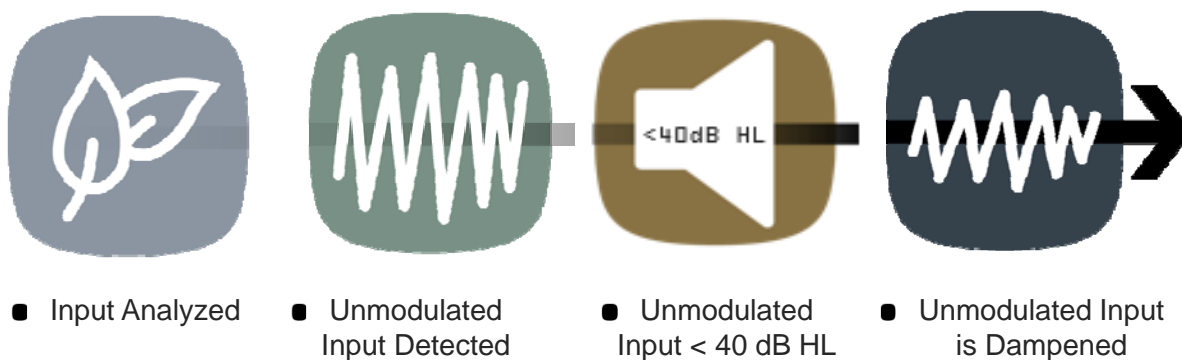
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WHY SOFT LEVEL NOISE REDUCTION?



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SOFT LEVEL NOISE REDUCTION WHEN DOES IT WORK?



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SOFT LEVEL NOISE REDUCTION BENEFITS FOR HEARING AID USERS



- Audibility of the entire input range
- Not bothered by undesirable noise in quiet environments
- Experience enhanced sound quality
- Greatest benefit will be experienced by those with mild to moderate hearing losses

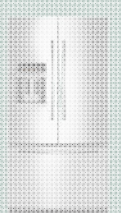


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PURIFY ALL

Bringing **sound quality** to the next level

SOFT LEVEL
NOISE
REDUCTION



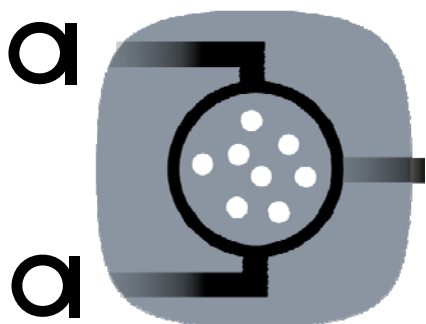
WIND NOISE
MANAGER



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WIND NOISE MANAGER

HOW DOES IT WORK - DETECTION STAGE



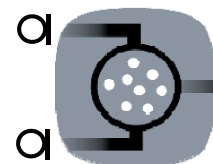
Wind Noise
DETECTION



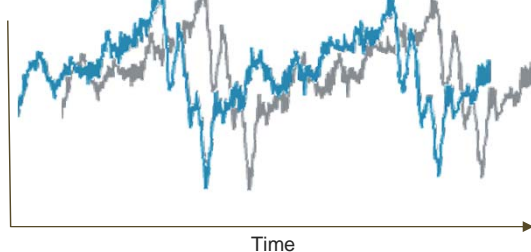
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WIND NOISE MANAGER

HOW DOES IT WORK - SEPARATION STAGE

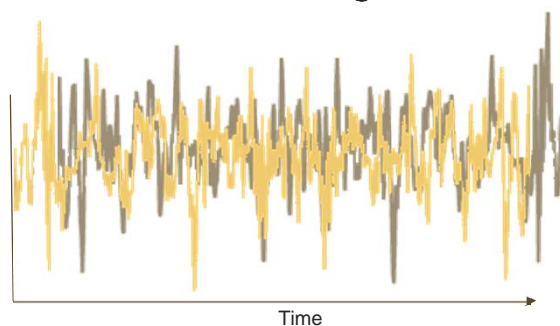


Speech = Correlated signal



Microphone 1
Microphone 2

Wind = Uncorrelated signals



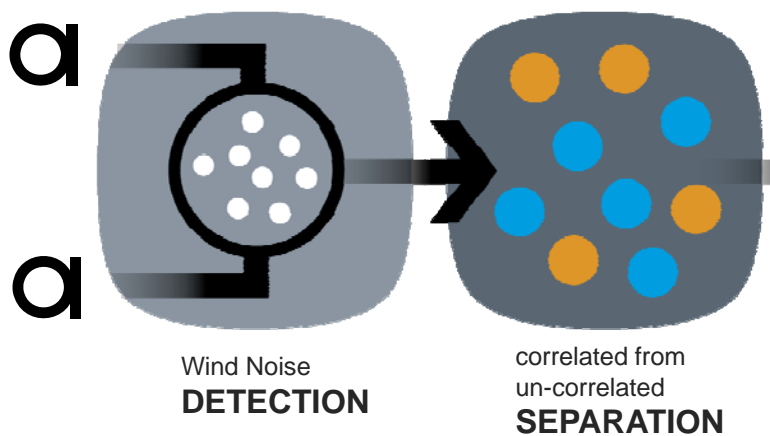
Microphone 1
Microphone 2



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WIND NOISE MANAGER

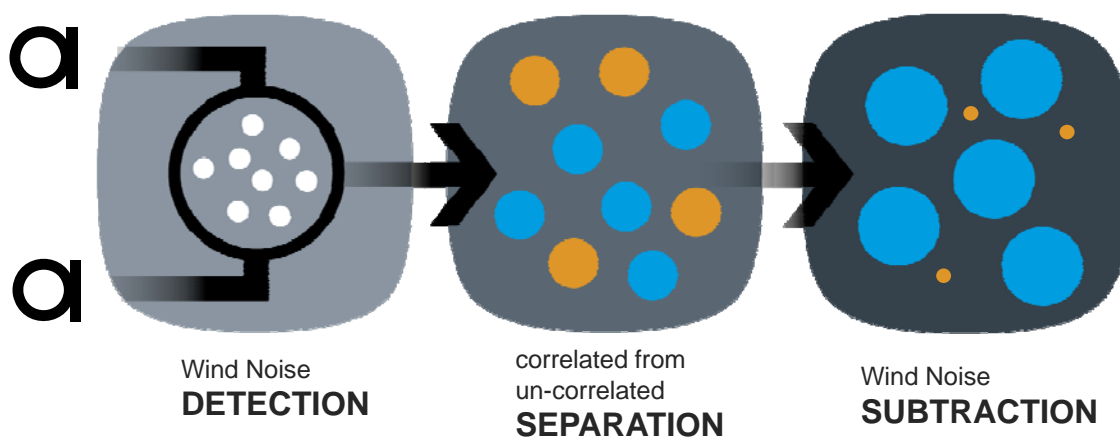
HOW DOES IT WORK - SEPARATION STAGE



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WIND NOISE MANAGER

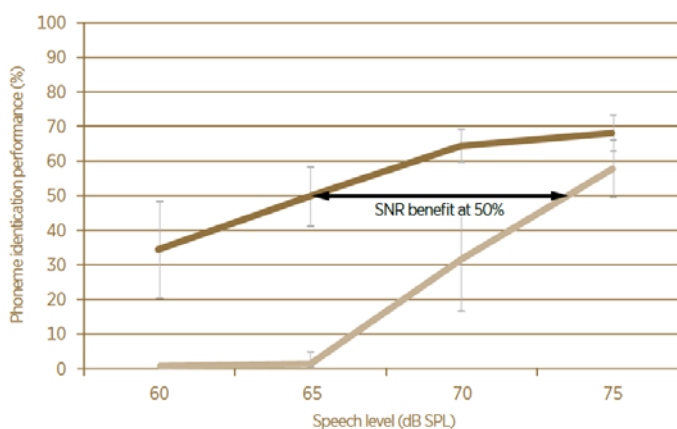
HOW DOES IT WORK - SUBTRACTION STAGE



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WIND NOISE ATTENUATION – SNR IMPROVEMENT

8.4 dB
SNR
Improvement
in Wind Noise
(For Phonemes)



Recorded in wind tunnel with constant wind of 5 m/s



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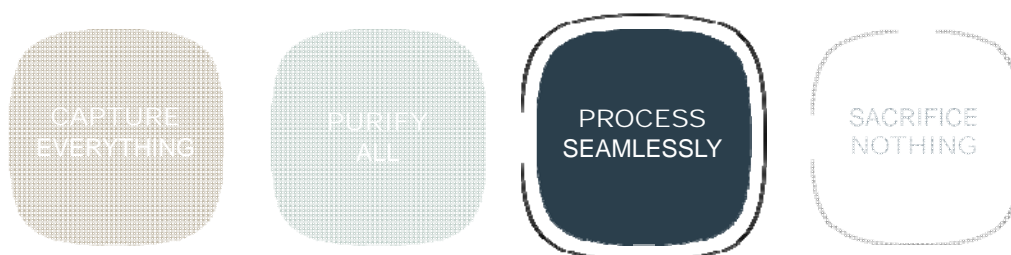
WIND NOISE MANAGER BENEFITS FOR HEARING AID USERS

- Improvement speech intelligibility (backed by internal trial results)
- No need to remove HAs when in windy environments
- Benefits monaural hearing aid users



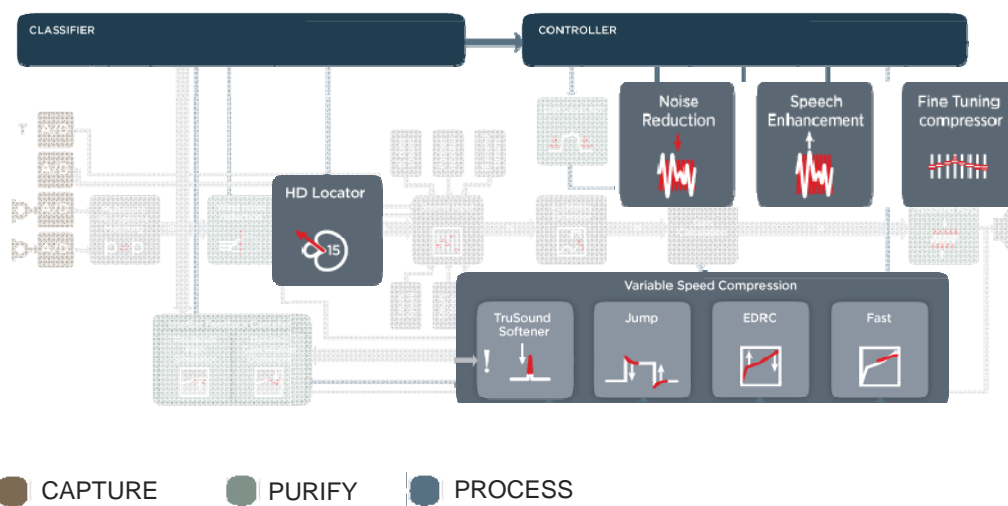
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INTRODUCING WIDEX UNIQUE



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WIDEX UNIQUE



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ONE UNIQUE **UNIVERSAL PROGRAM** GEARED FOR ALL SITUATIONS



WIDEX **SOUND CLASS SYSTEM**



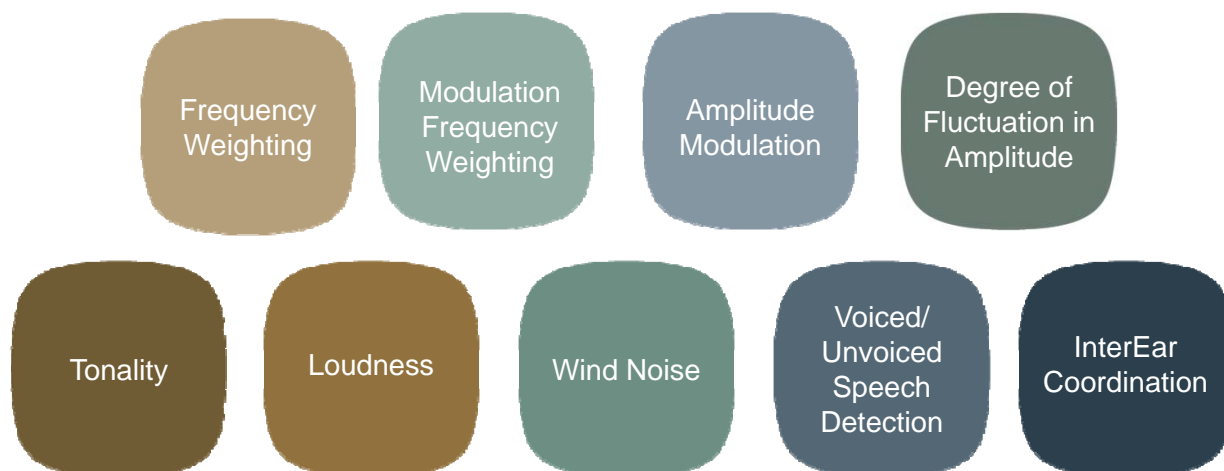
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UNIQUE INTRODUCES: WIDEX **SOUND CLASS TECHNOLOGY**



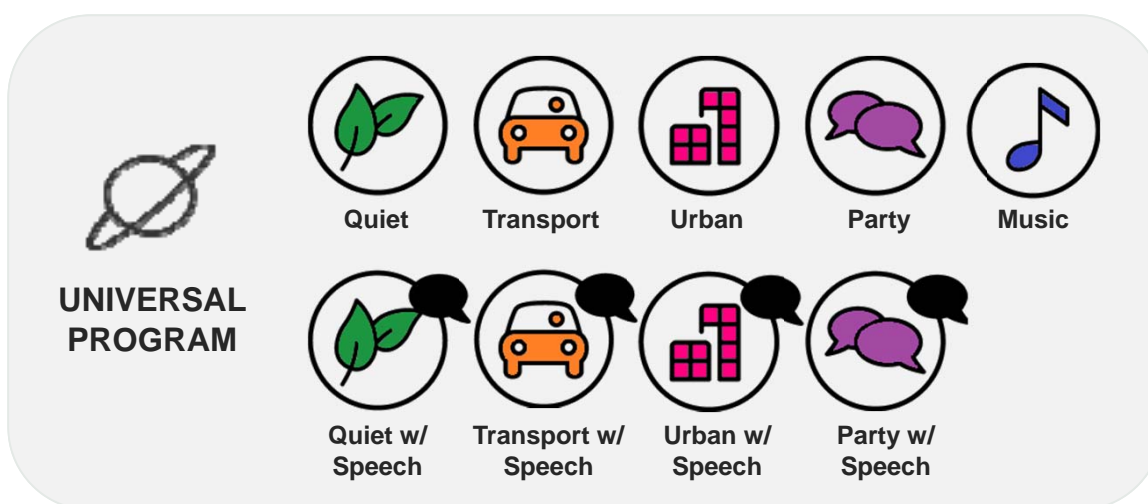
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HOW ARE WE ABLE TO CLASSIFY A GIVEN SIGNAL?



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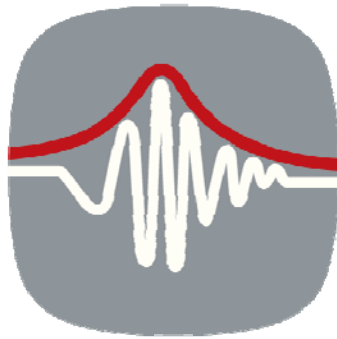
WIDEX UNIQUE SOUND CLASSES



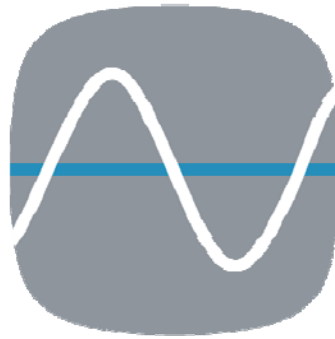
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HOW IS **SPEECH IDENTIFIED?**

UNIQUE SPEECH DETECTOR



DETECTION OF
VOICED SPEECH

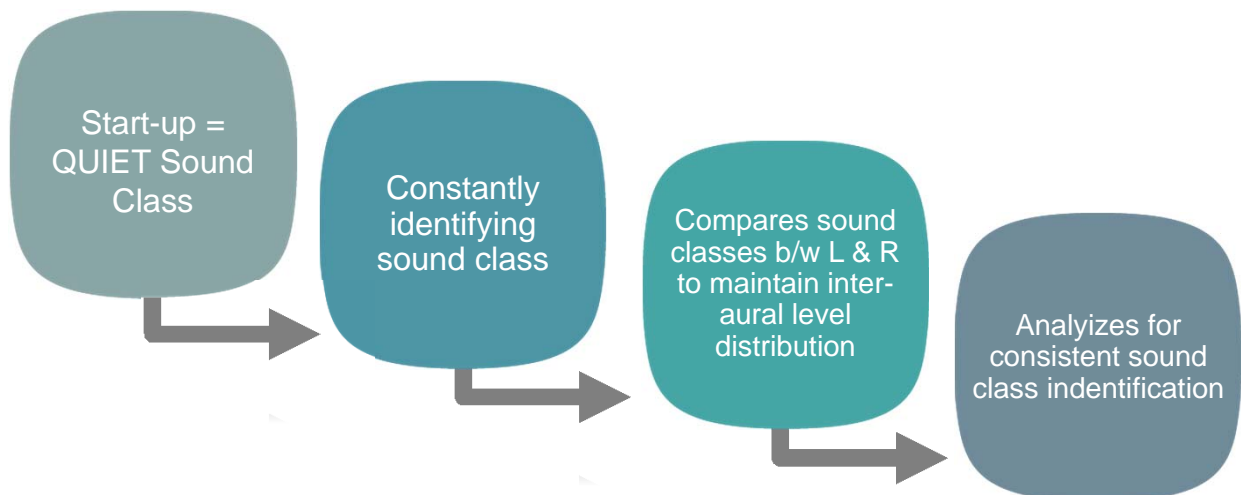


DETECTION OF
UNVOICED SPEECH



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REGULATION OF THE **SOUND CLASS SYSTEM**



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UNIQUE INTRODUCES: WIDEX **SOUND CLASS TECHNOLOGY**

CLASSIFIER

INTERNAL
CONTROLLER



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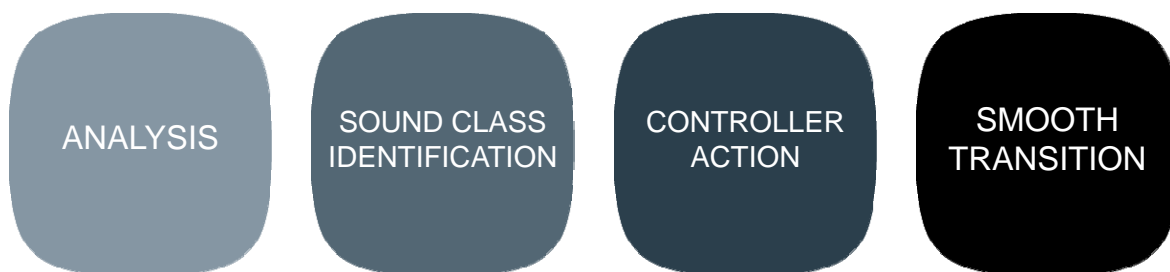
THE CONTROLLER

- Different Sound Environments = Different Settings within the Hearing Aids
- Continuous Smooth Transitions
- Seamless Processing
- Providing Audibility and Comfort



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THE WIDEX **SOUND CLASS SYSTEM**



Optimal signal processing
in one truly **universal** program



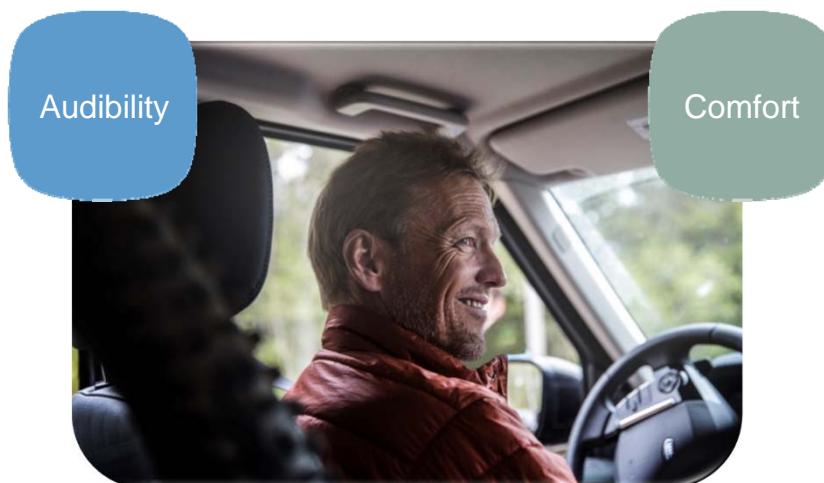
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UNIQUE INTRODUCES: WIDEX **SOUND CLASS SYSTEM**



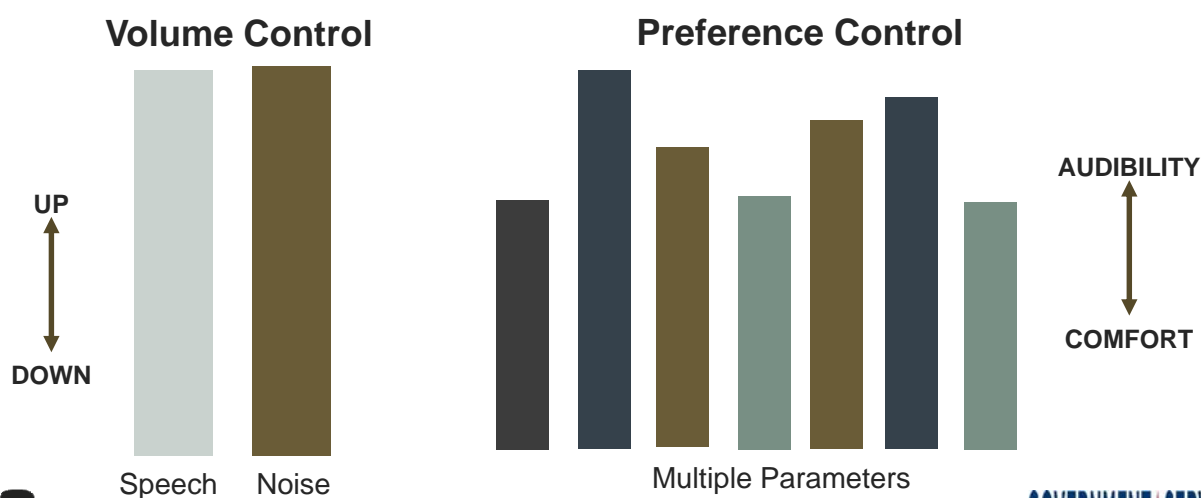
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PREFERENCE CONTROL – AUDIBILITY VS. COMFORT



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PREFERENCE CONTROL



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PREFERENCE CONTROL

AUDIBILITY
VS.
COMFORT

POWER TO CHOOSE

In one movement:
UP or DOWN
on the Hearing Aid,
RC-Dex, or App



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INTRODUCING WIDEX UNIQUE

CAPTURE
EVERYTHING

PURIFY
ALL

PROCESS
SEAMLESSLY

SACRIFICE
NOTHING



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ADDITIONAL FEATURES

Real-Time Speech Enhancer

High Frequency Boost

ZEN

Audibility Extender

Data-Logging

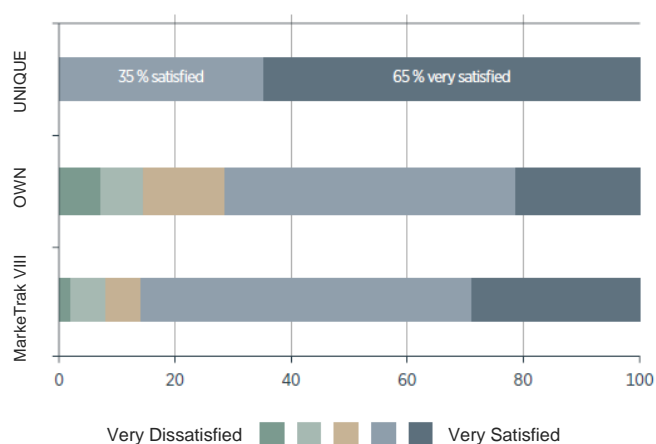


WIDEX UNIQUE™
LIVE LIFE LARGE

UNIQUE WEARERS ARE MORE SATISFIED

100%

of UNIQUE wearers
are satisfied with the
improvement in their
hearing



GOVERNMENT SERVICES

COM-DEX AND COM-DEX APP



COM-DEX

- TRUE hands-free solution
- Stream from all Bluetooth devices
- I-Phone & Andriod App
- **Compatible with:**
 - **UNIQUE**
 - **DREAM**



GET IT ON
App Store

GET IT ON
Google play



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COM-DEX FEATURES AND BENEFITS

FEATURES

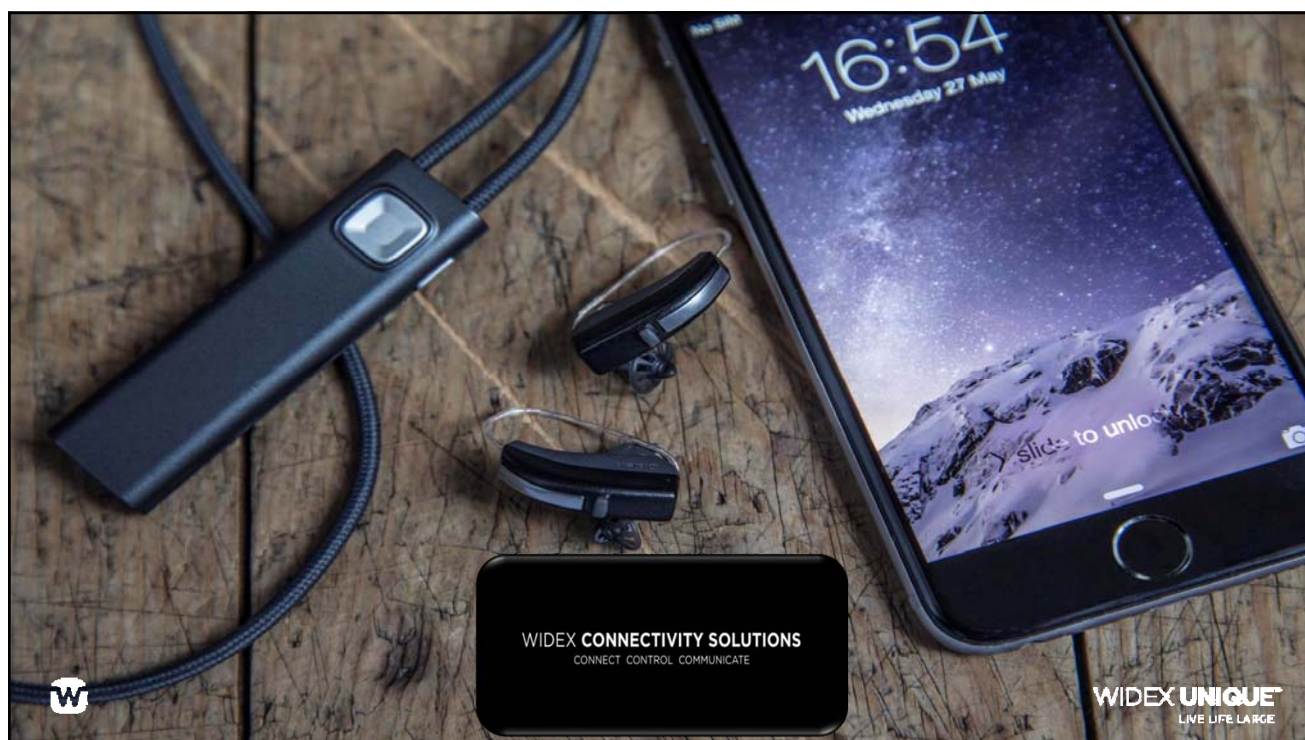
- Plug and Play
- Stylis Compact Design
- Hands-Free
- Discreet Control via APP
- Compatible Android and iOS Smartphones
- Connect to other BT Devices
- Three Color Options

BENEFITS

- Seamless Connectivity
- Easy to Demonstrate
- Easy to Set-up and Use
- Intuitive
- Long Battery life
- Solution for all WidexLink customers
- Handsfree Safe Communication



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UNIQUE ACCESSORIES AND STYLES



FASHION
ITEs

FUSION
CIC

PASSION
CIC



COM-DEX

CALL-DEX

PHONE-DEX

UNI-DEX

RC-DEX

FM+DEX

TV-DEX



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WIDEX UNIQUE™

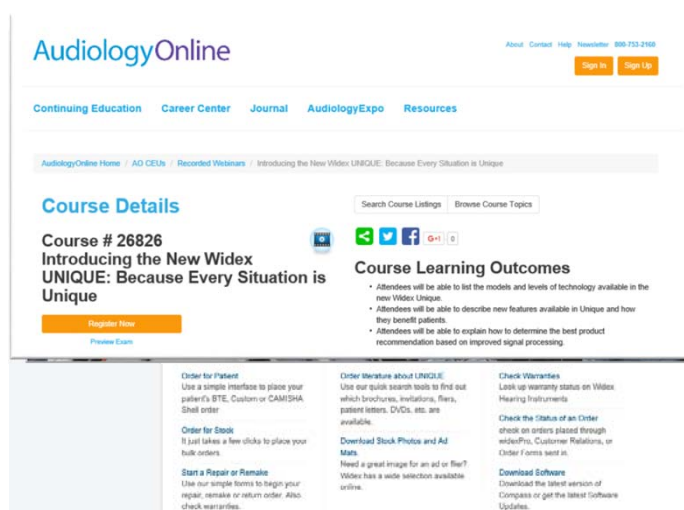
BREAKING THE SOUND BARRIER



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ADDITIONAL INFORMATION

- Widex VA Pro
 - www.vawidexpro.com
- Widex Learn
 - www.widex.pro/en/learn
- Audiology Online
 - aoinquiry@widex.com



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