

WIDEX **BEYOND**<sup>™</sup>  
LIFE WITHOUT LIMITS

**LIFE** WITHOUT LIMITS

# WIDEX

# CONNECTED HEARING NEVER SOUNDED BETTER

With the WIDEX UNIQUE hearing aid, we already provide wearers with the best sound quality in the world.

Now we are proud to introduce the best-sounding **made-for-iPhone technology**.

With the new WIDEX BEYOND™ hearing aid, wearers finally have a device that provides exceptional 2.4 GHz direct connectivity **and** leading-edge sound.

With a customizable app allowing full streaming functionality and control over their listening environment, hearing aid wearers are seamlessly connected anywhere and anytime.

And a highly innovative integrated signal processing chip-set design, with 100% independent channel separation, minimal delay filters and 4 A/D converters, means BEYOND provides wearers with the cleanest sound of any hearing aid in the industry - **even while streaming**.

With WIDEX BEYOND™, wearers can confidently and effortlessly live life on their own terms.  
**No matter what their pursuits and passions.**



# BEYOND™

## FIRST WITH THREE WIRELESS CONNECTIVITY OPTIONS

State of the art TRI-LINK™ technology with 2.4 GHz pure-link, Telecoil and WidexLink technology

## THE PERFECT FIT

Industry-leading WIDEX EASYWEAR prevents lateral migration, providing a discreet, cosmetically appealing appearance, while maintaining exceptional sound quality

## FULL FLEXIBILITY

A uniquely designed push button for program adjustments, preference control or hearing aid mute functionality

## FULL PROTECTION

Widex nanocoating protects BEYOND inside and out against moisture

## PROVEN PERFORMANCE

The U-PLATFORM is proven to perform in the most challenging listening environments, such as restaurants, concerts and parties

## LONGEST BATTERY LIFE IN THE INDUSTRY

Uses less than 1.8 mA power when streaming 25% of daily use time





## PERSONAL PROGRAMS

The BEYOND app lets wearers create programs with their own name and picture.



## EASY AS 1-2-3

The specially designed interface makes the app easy to use and navigate.

# EASY TO CONNECT INTUITIVE TO USE

What really makes WIDEX BEYOND special is its easy-to-use and customizable made-for-iPhone app.

With an interface that can be personalized by the wearer, the BEYOND app gives unparalleled connectivity between hearing aids and iPhone, resulting in easy-to-stream, exceptional sound.

BEYOND is also the only made-for-iPhone hearing aid with an app that utilizes the familiar swipe functionality for easy navigation – so wearers can quickly and easily navigate through various intuitive commands and screens.



# DESIGN YOUR OWN HEARING

It couldn't be easier for wearers to personalize their BEYOND™ app.

The BEYOND app can be customized to adjust various sound settings and listening programs to suit their individual preferences. Settings can be modified with personal pictures and specific sound templates to be used in various environments – such as a favorite restaurant, when visiting family and friends, or any other social situation.

And with the Preference Control, wearers can choose between clarity of speech and comfort, while the sound equalizer allows them to alter the details of their sound settings for even more customization whenever needed.

**VOLUME R/L**  
Adjust volume on two hearing aids individually



**EQUALIZER**  
Adjust gain in low, mid and high frequency bands



**SOUND MIXER**  
Adjust the sound mix of the hearing aid and streaming levels



**SOUND DIRECTION**  
Select directionality of microphones





# THE BEYOND APP AT A GLANCE

We have designed the BEYOND app to be incredibly easy to use and navigate. The user-friendly interface, along with the familiar swipe function, means wearers can quickly navigate through various options.



Selected program photo

Swipe to change or select programs

Sound menu:

- Equalizer
- Sound mixer
- Volume R/L

Other functions:

- Find my hearing aids
- Instructional videos

Slide to control volume

Mute volume

Start

Programs:

- Selection
- Photo
- Sound direction
- Add location

# SIGNIFICANTLY BETTER THAN THE COMPETITION

## BRILLIANT SOUND - EVEN WHEN STREAMING

The unique streaming protocol in WIDEX BEYOND provides the most crystal clear, true-to-life, streamed sound of any hearing aid available on the market.

It features specially designed streaming templates for music and speech, which take into account the type of input the wearer is listening to. For example, listening to a podcast is not the same as enjoying the wide range of dynamics in music.

But don't take our word for it. Studies show that test subjects rated the sound of BEYOND significantly better than other comparable products (Fig. 1).

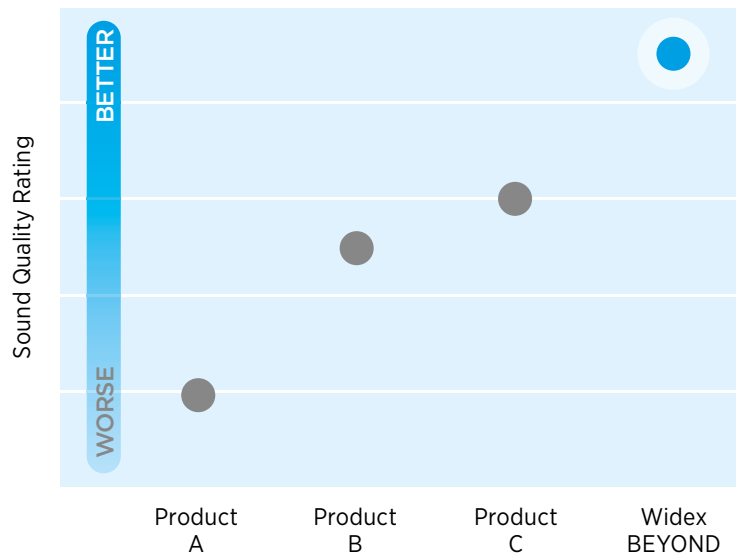


Fig. 1: Streaming sound quality of BEYOND and three similar products rated by test subjects. Results show sound quality of WIDEX BEYOND is better than all other products. Data on file.





# MORE CONNECTED THAN ANY OTHER HEARING AID

## TRI-LINK™ TECHNOLOGY

At Widex we know how important it is for hearing aid wearers to stay connected to the world around them. With TRI-LINK™ technology, the possibilities are infinite.

With our multi-connectivity solutions, wearers are instantly connected to their iPhones, T-Coil and our full range of DEX communication solutions.

Widex pure-link, a customized 2.4 GHz wireless input handling system, allows for direct streaming and unmatched sound quality.

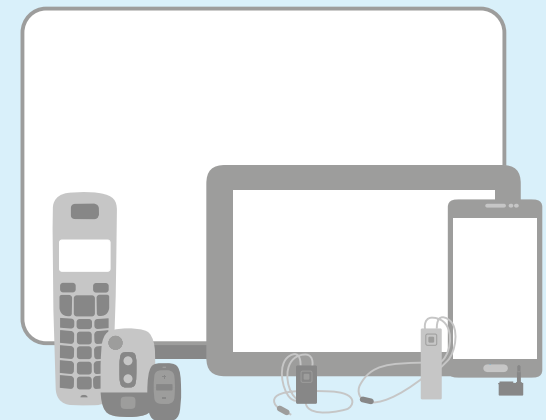
Pure-link  
2.4 GHz BLUETOOTH



WIDEX-LINK



WIDEX-LINK  
TRANSMISSION FROM ALL DEX DEVICES



T-COIL



# LOWEST POWER CONSUMPTION - EVEN WHEN **STREAMING**

## POWERSAVER PLUS™

Designed specifically for the demands of connectivity, WIDEX BEYOND has the lowest current consumption of any made-for-iPhone streaming hearing aid in the industry.

It uses an average of less than 1.8 mA of battery consumption in daily use, while streaming 25% of the time (Fig. 2).

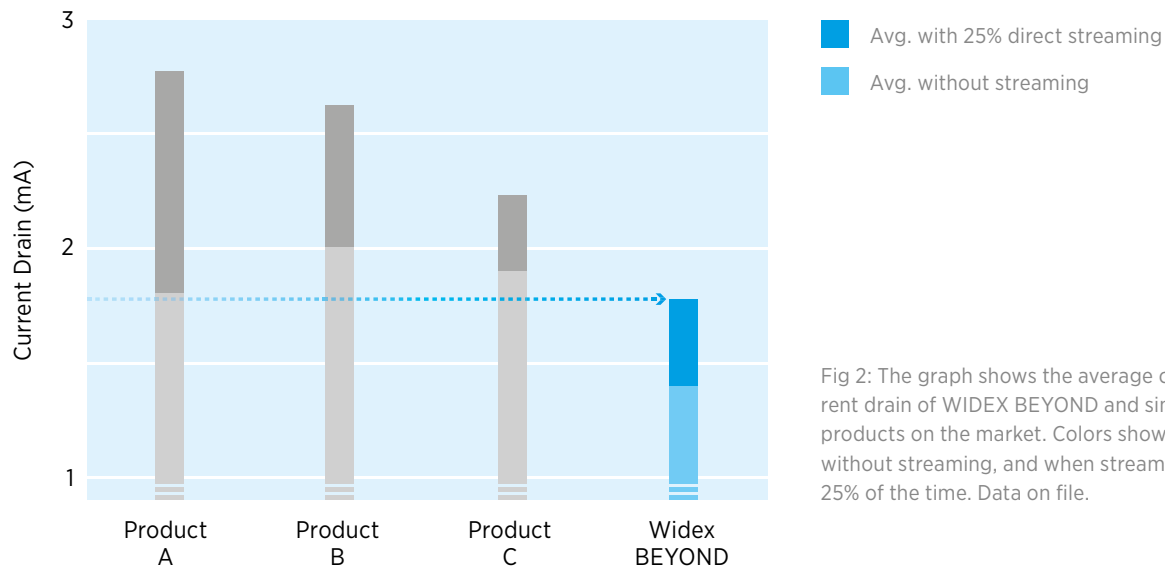


Fig 2: The graph shows the average current drain of WIDEX BEYOND and similar products on the market. Colors show use without streaming, and when streaming 25% of the time. Data on file.



# COMPLETE DEX CONNECTIVITY

With BEYOND, connectivity doesn't stop with the app. Our range of DEX communication solutions keeps wearers connected to a world of sounds.

## COM-DEX FOR HANDS-FREE STREAMING

- True hands-free communication
- Compatible with most mobile phones
- Stream audio from most Bluetooth devices
- Available in three stylish colors
- 8 hours streaming time
- 8 days standby/control time\*
- Comfortable fabric neck loop
- Control your hearing aids via COM-DEX app

\*12 hours per day



## COM-DEX REMOTE-MIC HEAR CONVERSATIONS IN DETAIL

- Connects wirelessly via COM-DEX to all Widex wireless hearing aids
- Convenient steel clip for easy attaching
- Mute/Unmute microphone directly on the COM-DEX Remote Mic button
- Microphone can also be controlled using the COM-DEX app
- Up to 8 hours streaming time



## RC-DEX YOUR REMOTE CONTROL

- Program toggle
- Volume up/down
- Key ring attachment
- Approximately 12 months of battery life
- Lock switch



## PHONE-DEX FOR EASY LANDLINE USE

- Range to base up to 900 ft.
- Phonebook for 50 numbers
- 100 hours of standby time and 10 hours of call time on battery
- Can also be used as a regular phone – a phone for the whole family



## CALL-DEX FOR DISCREET STREAMING FROM MOBILE PHONES

- Connects to most mobile phones with 3.5 mm jack output
- Streams automatically
- No buttons
- Constant streaming up to 80 hours
- Standby up to 3 weeks
- Small and easy to handle



## TV-DEX FOR ENJOYING TV

- High quality audio
- Ultra-low delay Echo-Free™
- Inputs for both TV and hi-fi systems
- Room Off feature
- 10 hours non-stop capacity
- Rechargeable using the TV-Base



## UNI-DEX FOR PLUG AND PLAY MOBILE USE

- Connects to most devices with 3.5 mm jack output
- Streams automatically
- Built-in microphone for hands-free talking
- Battery life 40 hours when streaming
- Battery recharges in 1 hour
- Room Off feature



## FM+DEX FOR FLEXIBLE STREAMING

- A flexible device for FM streaming
- Small and easy to handle
- Antenna range up to 90ft.
- 10 hours battery capacity











# LEADING EDGE SOUND POWERED BY UNIQUE

WIDEX BEYOND™ is powered by proven UNIQUE technology, which enhances performance and provides exceptionally clear sound quality.

Sound is captured and purified via the U-platform, with 2.4 GHz pure-link technology. At the heart of this is a unique and powerful multidimensional Sound Classification System, where audibility of speech and listening comfort are central. Every listening situation is classified with precision, and the amount of speech and noise in every moment is identified against the hearing profile of the user.

But the sum is greater than the parts.

Other outstanding Widex features, such as True Input Technology, Soft Level Noise Reduction and SMARTWIND Manager™, integrate to give wearers comfortable, natural and artifact-free sound in all listening situations, while also optimizing speech understanding.

Connected hearing... never sounded better!

# EXCEPTIONAL **PERFORMANCE** IN ALL ENVIRONMENTS

## TRUE INPUT TECHNOLOGY

Our unprecedented True Input Technology includes four analog-to-digital (A/D) converters in each hearing aid. BEYOND is capable of capturing the true soundscape of any environment, especially the most challenging of all – very loud sounds. A linear transfer function of 113 dB SPL provides an unmatched linear input dynamic range of 108 dB, allowing hearing aid wearers to enjoy the most accurate sound reproduction in all listening situations – from extreme to everyday scenarios.

When we put the technology to the test, it was proven that people wearing WIDEX BEYOND were provided with comfort without sacrificing speech intelligibility, comparable to the results achieved by those with normal hearing (Fig. 3).

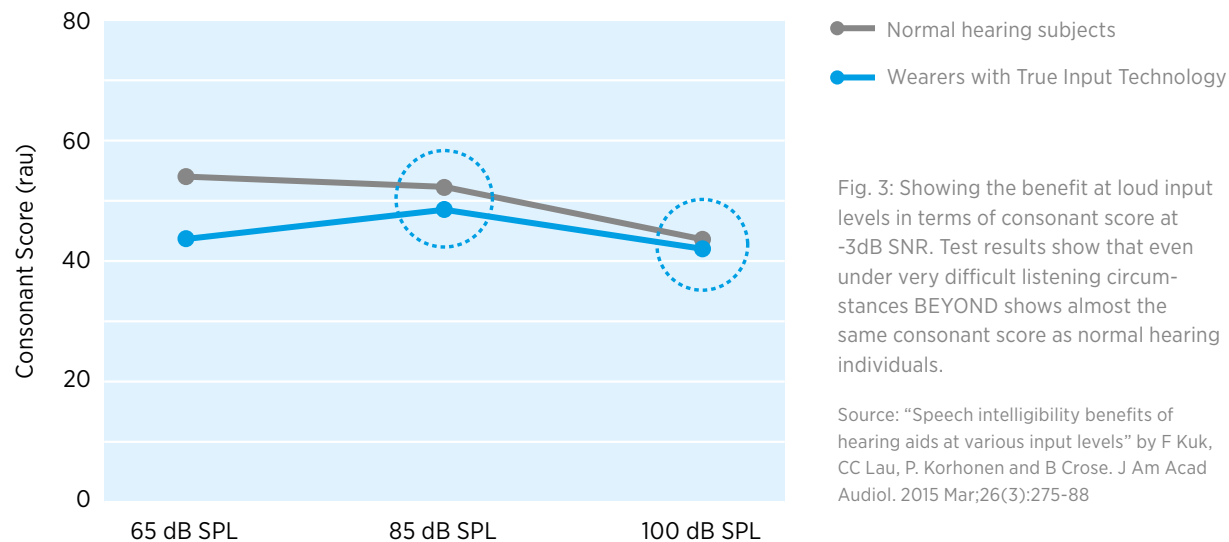


Fig. 3: Showing the benefit at loud input levels in terms of consonant score at -3dB SNR. Test results show that even under very difficult listening circumstances BEYOND shows almost the same consonant score as normal hearing individuals.

Source: "Speech intelligibility benefits of hearing aids at various input levels" by F Kuk, CC Lau, P. Korhonen and B Crose. J Am Acad Audiol. 2015 Mar;26(3):275-88





## HEAR ALL THE **DETAILS**

### SOFT LEVEL NOISE REDUCTION

With BEYOND, soft speech sounds can be heard, while bothersome soft noises are reduced.

This is achieved with Soft Level Noise Reduction – a purification algorithm that analyzes the modulation distinctions between soft speech and ambient environmental noise.

The result: BEYOND can accurately determine which sounds to amplify (speech) and which sounds to reduce (ambient environmental noise).





# 30% BETTER SPEECH UNDERSTANDING IN WIND

## SMARTWIND MANAGER™

The SMARTWIND Manager™ in WIDEX BEYOND has the best wind noise algorithm in the industry. It uses active two-microphone Wind Noise Attenuation, including adaptive filtering that analyzes the sound from the two microphones in each hearing aid to determine the characteristics of the wind noise and subtracts the wind noise from the signal in the microphone, while preserving other sounds.

Studies conclude that the SMARTWIND Manager™ significantly reduces wind noise annoyance, while increasing speech understanding. They also revealed an astounding **30% improvement** in phoneme identification at normal conversational speech levels (Fig. 4).

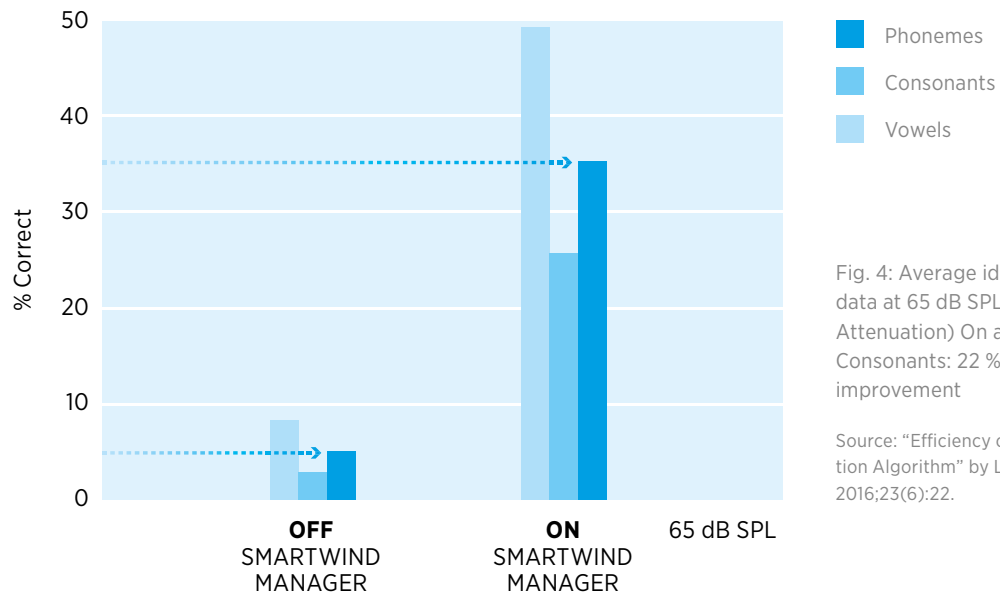


Fig. 4: Average identification performance data at 65 dB SPL with WNA (Wind Noise Attenuation) On and Off. Vowels: 43%, Consonants: 22 % and Phonemes: 30% improvement

Source: "Efficiency of a Wind Noise Attenuation Algorithm" by Lidia Lee. Hearing Review. 2016;23(6):22.





# PROVEN PERFORMANCE

## GREATER THAN 20% INCREASE IN SELF-REPORTED SATISFACTION

The technology in BEYOND is second to none. But what do hearing aid wearers make of it?

When evaluating sound quality in environments found to be the most challenging by experienced wearers, WIDEX BEYOND performs better than other hearing aids from major manufacturers (Fig. 5).

It also performs better in complex listening situations (which normally elicit low satisfaction ratings) when evaluating hearing aid wearer satisfaction (Fig. 6).

### SOUND QUALITY

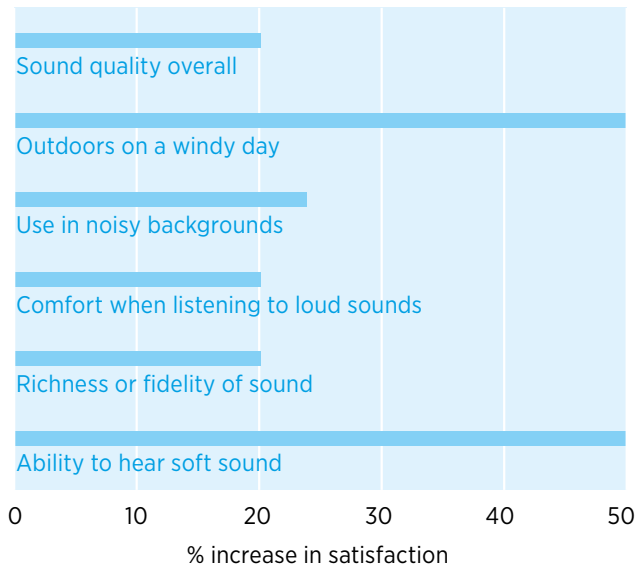


Fig 5: Self-reported satisfaction improvement (%) with U-platform compared to own hearing aids in 6 categories\*. Data on file.

\*MarkeTrak VIII and IX.

### DIFFICULT LISTENING SITUATIONS

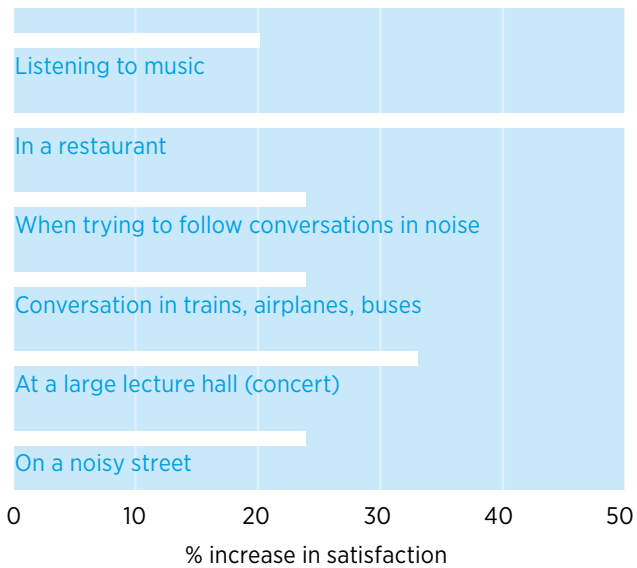


Fig 6: Self-reported satisfaction (%) with U-platform compared to own hearing aid in the six most difficult listening situations\*. Data on file.

\*MarkeTrak VIII and IX.



# WIDEX BEYOND QUICK GUIDE



## STYLE

### Receiver

#### S-receiver

#### M-receiver

#### P-receiver

#### HP-receiver

### Ear tips



Open fit option

Yes

Yes

No

No

Battery size

312

312

312

312

Battery life

165 hrs

165 hrs

155 hrs

150 hrs

Preference control

Yes

Yes

Yes

Yes

Program shift

Yes

Yes

Yes

Yes

Telecoil

Yes

Yes

Yes

Yes

DEX devices\*

All

All

All

All

Max gain

52 dB

58 dB

64 dB

75 dB

MPO

107 dB SPL

114 dB SPL

122 dB SPL

133 dB SPL

Bandwidth

100 Hz - 8,450 Hz

100 Hz - 7,000 Hz

100 Hz - 6,550 Hz

100 Hz - 5,800 Hz

IP rating

IP-68

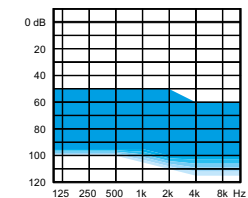
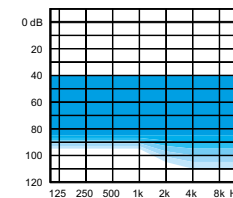
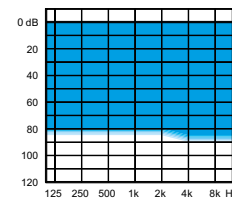
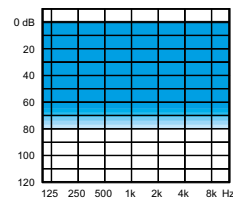
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ANSI S3.22-2009/IEC 60118-7

\* COM-DEX, CALL-DEX, UNI-DEX, RC-DEX, TV-DEX,  
FM+DEX, PHONE-DEX, COM-DEX REMOTE-MIC  
(Available in some countries only)





# COLORS



Midnight black



Cappuccino brown



Copper brown



Tan silk



Warm beige



Summer gold



Silver white



Titan grey



Winter silver



Pearl white



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