

# Smart new ways to fit more patients

Fits hearing losses from mild to severe-profound

Technical specifications		ANSI S3.22 2cc coupler		S		NP		HP		UP	
Reference Test Gain (60 dB SPL Input) 1600 Hz	1600 Hz	32	33	38	46	dB					
Full-On Gain (50 dB SPL Input)	Max.	50	55	65	76	dB					
	1600 Hz	43	48	55	67						
Maximum Output (90 dB SPL Input)	Max.	114	115	118	128	dB SPL					
	1600 Hz	109	110	115	123						
Total Harmonic Distortion	500 Hz	0.5	1.2	1.5	2.1	%					
	800 Hz	0.6	1.5	2.4	2.3						
	1600 Hz	0.8	1.6	1.5	0.6						
Equivalent Input Noise		24	23	24	24	dB SPL					
Frequency Range (DIN 45605/ANSI)		100-6930	110-6470	100-6300	100-5690	Hz					
Current Drain		1.2	1.2	1.2	1.2	mA					

Technical specifications		ANSI S3.22 2cc coupler		77 Open		77 Closed		88 Power	
Reference Test Gain (60 dB SPL Input) 1600 Hz	1600 Hz	41	47	51	51	dB			
Full-On Gain (50 dB SPL Input)	Max.	51	59	67	67	dB			
	1600 Hz	46	52	62	62				
Maximum Output (90 dB SPL Input)	Max.	122	128	131	131	dB SPL			
	1600 Hz	118	123	128	128				
Total Harmonic Distortion	500 Hz	0.1	0.4	1.0	1.0	%			
	800 Hz	0.2	0.4	0.4	0.4				
	1600 Hz	0.5	0.5	0.5	0.5				
Telecoil sensitivity (1 mA/m input)	Max.	75	81	92	92	dB SPL			
Full-on Telecoil sensitivity @ 1mA/m	1600 Hz / HFA	99	106	111	111				
Equivalent Input Noise		23	22	23	23	dB SPL			
Frequency Range (DIN 45605/ANSI)		100-6770	100-6850	100-6170	100-6170	Hz			
Current Drain		1.2	1.2	1.2	1.2	mA			

## Compatible devices

Apple devices\*

- iPhone 5, 5s, 5c
- iPod touch (5th generation)
- iPad (4th generation), iPad Air
- iPad mini, iPad mini with Retina display

Apps



ReSound Unite™ devices



\* Direct streaming from iPhone, iPad and iPod touch available for ReSound LiNX 9 and 7  
\*\* ReSound Unite Phone Clip+ is needed to use the ReSound Control app

# ReSound

rediscover hearing

ReSound® provides excellent sound by offering innovative hearing solutions that combine original thinking and design with solid technology – all based on the latest audiological research and a profound understanding of the challenges facing the hearing impaired.

ReSound LiNX™, the world's smartest hearing aid – and the world's first Made for iPhone hearing aid – lets your patients hear more of everything. From speech that's clear, strong and easy to understand, to music and the voices of loved ones streamed directly from an iPhone, iPad or iPod touch. They'll enjoy an intuitive, effortless hearing experience like no other.

Learn more at [gnresound.com/liNX](http://gnresound.com/liNX)

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MK604171 REV. A

ReSound LiNX™

# Say hello to the world's smartest hearing aids

New opportunities for you and your patients



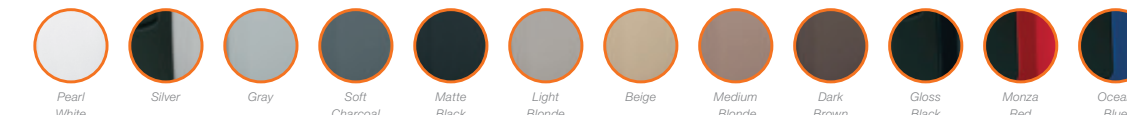
ReSound LiNX TS™ RIE 61  
ReSound LiNX™ BTE 77  
ReSound LiNX™ BTE 88

ReSound  
rediscover hearing

# Say hello to ReSound LiNX™

ReSound LiNX offers your patients everything from superior speech understanding in noise to preferred sound quality. They will also enjoy high-quality stereo sound streamed directly from an iPhone® to ReSound LiNX 9 and 7. It also gives you smart new ways to fit – and satisfy – just about anyone.

Say hello to new opportunities.



ReSound LiNX is appropriate for mild to severe-profound hearing loss, and comes in 12 colors. RIE 61 shown in actual size.

Features	ReSound LiNX™ 9	ReSound LiNX™ 7	ReSound LiNX™ 5	ReSound LiNX TS 9	ReSound LiNX TS 7
ReSound SmartRange chip	•	•	•	•	•
Surround Sound by ReSound™					
Model					
WARP™ compression - number of bands	17	17	9	17	17
Environmental Classifier	•	•	•	•	•
Sound Shaper™	•	•	•	•	•
Clean					
NoiseTracker™ II	•	•	•	•	•
Personalized Noise Reduction	•	•	•	•	•
WindGuard™ II	•	•	•	•	•
Expansion	•	•	•	•	•
Balance					
Binaural Directionality™	•	•	•	•	•
Directional Mix Processor	•	•	•	•	•
- Adjustable directional mix	•	•	•	•	•
Natural Directionality™ II	•	•	•	•	•
Synchronized SoftSwitching™	•	•	•	•	•
SoftSwitching™	•	•	•	•	•
AutoScope Adaptive Directionality™	•	•	•	•	•
MultiScope Adaptive Directionality™	•	•	•	•	•
Adaptive Directionality	•	•	•	•	•
Fixed Directionality	•	•	•	•	•
Binaural Environmental Optimizer™ II	•	•	•	•	•
Environmental Optimizer™ II	•	•	•	•	•
Stabilize					
DFS Ultra™ II	•	•	•	•	•
- Music Mode™	•	•	•	•	•
Auto DFS™	•	•	•	•	•
Convenience Features					
Synchronized Push Button	•	•	•	•	•
Synchronized Volume Control	BTE only	BTE only	BTE only	BTE only	BTE only
SmartStar™	•	•	•	•	•
PhoneNow™ II	•	•	•	•	•
Comfort Phone™	•	•	•	•	•
iSolate™ nanotech	•	•	•	•	•
Fitting Features					
Gain Handles	9	7	6	9	7
Fully Flexible Programs	4	4	4	4	4
Synchronized Acceptance Manager	•	•	•	•	•
Onboard Analyzer™ II	•	•	•	•	•
SuperPower fitting options (UP receiver only)	•	•	•	•	•
In Situ Audiometry	•	•	•	•	•
Wireless Connectivity					
Based on 2.4 GHz Wireless Technology	•	•	•	•	•
2.4 GHz Ear-to-Ear Communication	•	•	•	•	•
Wireless fitting with Airlink™	•	•	•	•	•
Direct audio streaming (Made for iPhone)	•	•	•	•	•
ReSound Unite™ TV Streamer 2	•	•	•	•	•
ReSound Unite™ Remote Control 2	•	•	•	•	•
ReSound Unite™ Phone Clip+	•	•	•	•	•
ReSound Unite™ Mini Microphone	•	•	•	•	•
ReSound Smart™ app	•	•	•	•	•
ReSound Control™ app	•	•	•	•	•
Sound Therapy					
Tinnitus Sound Generator - 4 Sound Presets				•	•
Synchronized Environmental Steering™				•	•
Environmental Steering™				•	•
Synchronized Amplitude Modulation				•	•
Amplitude Modulation				•	•
Frequency Shaping				•	•

Ultimate  
Advanced  
Standard



# Our SmartRange™ platform

Our new dual-core chip platform, SmartRange, dedicates one processor to wireless functionality and the other to Surround Sound by ReSound™ digital sound processing. It has twice the computing power of our previous generation chip platform. It processes digital hearing algorithms faster and manages wireless communication better than any other chip platform without consuming more battery. And because it's as smart as it is fast, your patients will experience sound – and easy, intuitive connection – like never before.



## Feature Advantage Benefit

### 2.4 GHz wireless technology

**2.4 GHz WIRELESS**  
3<sup>rd</sup> GENERATION

ReSound's 2.4 GHz wireless technology is built right into ReSound LiNX. It provides direct streaming of sound and data. It's faster, more robust and has a longer range than traditional NFMI technology. It makes it possible to connect directly to other devices using 2.4 GHz.

Patients enjoy advanced binaural audiological features and stereo sound streamed directly to the hearing instruments with no need for neckloop streamers. They can also control and personalize their hearing experience using ReSound apps.

### 2.4 GHz Ear-to-Ear communication

The hearing instruments exchange data and work as one system. They constantly compare notes to dynamically analyze the sound environment, exchanging and balancing all input.

Patients get the most natural sound experience ever. They can follow conversations and react naturally to the world around them.

### Direct audio streaming to iPhone®, iPad® and iPod touch®

Made for iPod iPhone iPad

Made for iPhone hearing instruments connect directly to iPhone, iPad and iPod touch with no additional hardware.

Direct connection essentially makes the hearing instruments work like wireless stereo headphones. Patients benefit from the endless possibilities iPhone, iPad and iPod touch have to offer.

### Direct audio streaming from ReSound Unite™ accessories

ReSound Unite

Wireless accessories stream directly to the hearing instruments without the need for an intermediate device to relay the signal.

Allows patients to hear voice and other audio from outside the range of any hearing instrument without neck-worn devices and without lip-synch issues or artifacts.

### Bluetooth 4.0

Bluetooth SMART

This new technology enables data to be streamed with very low power consumption.

It allows direct exchange of large amounts of data. That is why the ReSound Smart™ app for iOS allows patients to personalize their hearing experience.

# Compatibility and comparison

## Audio streaming from mobile devices

A ReSound LiNX™ customer with the following device would benefit from:	MFi***	ReSound Unite™		App compatibility	
	Direct Audio Streaming	Phone Clip+	Mini Microphone (Via line-in)	ReSound Smart™	ReSound Control™**
<b>Phone</b>					
iPhone 5 or later (iOS 7.X or later)	○	○*	○	○	○
iPhone 3GS, 4, 4S (iOS 6 or later)		○	○	○	○
Android smartphone (OS 4.4.2 or later)		○	○	○	○
Android smartphone (OS 2.3.5 or later)		○	○	○	○
Any Bluetooth enabled phone		○	○	○	○
<b>Tablet</b>					
iPad (4th generation), iPad Air, iPad mini, iPad mini with Retina display (iOS 7.X or later)	○	○	○	○	○
iPad (1st, 2nd and 3rd generation with iOS 5 or later)		○	○	○	○
Android tablet with bluetooth (OS 2.3.5 or later)		○	○	○	○
Windows or other tablet		○	○	○	○
<b>Portable Music Players</b>					
iPod touch 5th generation (iOS 7.X or later)	○	○	○	○	○
iPod touch 4th generation (iOS 5 or later)		○	○	○	○
iPod touch 3rd generation (iOS 5 or later)		○	○	○	○
Any MP3 player		○	○	○	○

○ Compatibility  
 ○ Compatibility and recommended  
 \* For hands-free phone solution  
 \*\* ReSound Unite Phone Clip+ is needed to use the ReSound Control app  
 \*\*\* Not for price point 5

Other combinations of devices are also relevant depending on user preference.

## Remote control options

	Apps		ReSound Unite	
	ReSound Smart	ReSound Control*	Phone Clip+	Remote Control 2
<b>Volume and Program Functions</b>				
Volume adjustments	Mono-/binaural	Mono-/binaural	Binaural	Mono-/binaural
Hearing aid program selection	Direct select	Direct select	Toggle (1-2-3-1...)	Toggle (1-2-3-1...)
Streamer selection	Direct select	Direct select		Toggle (1-2-3-1...)
Balance hearing aid volume vs. streaming volume	●	●		●
Hearing aid mute	●	●	●	●
<b>Other Functions</b>				
Phone operation			●	
Program/streamer name customization by user	●	●		
Bass/treble adjustment	●			
Geo-tag programs	●			
Display	●	●		●
Create favorite programs	●			
'My usage log'	●			

\* ReSound Unite Phone Clip+ is needed to use the ReSound Control app

## Streaming device comparison

	ReSound Unite		
	Phone Clip+	Mini Microphone*	TV Streamer 2**
<b>Streamer Functionality</b>			
Audio Quality	Stereo	Mono	Stereo
Power Source	Rechargeable - portable	Rechargeable - portable	Wall plug-in A/C adapter - stationary
Voice Pickup	Directional microphone	Omnidirectional microphone	
Dolby Digital™			●
A2DP streaming	●		

\* Older devices may need a software update. If the pairing to ReSound LiNX is unsuccessful, update the ReSound Unite Mini Microphone to the latest firmware version via the firmware update tool  
 \*\*ReSound Unite Accessory Update\* (installed together with Aventa 3.6)  
 \*\*\*Note that the first generation ReSound Unite TV is not compatible with ReSound LiNX

# What makes ReSound LiNX™ smart

## Feature Advantage Benefit

### Top-rated sound quality

Sound is processed in a way that emulates how the natural ear processes it. Independently verified sound-quality tests give confidence to users about an otherwise difficult-to-prove parameter.

Patients experience exceptional speech understanding, a better sense of where sounds are coming from, clearer, richer, more vibrant sound and the most natural hearing experience possible.

### Sound Shaper™

High-frequency sounds that are not audible due to high-frequency losses or cochlear dead regions are moved down in the frequency spectrum. A proportional relationship between input and output frequencies is maintained to minimize distortion.

Improves audibility of speech cues that would otherwise have been lost, while maintaining the best sound quality possible.

### Binaural Directionality™

The hearing instruments exchange data and work together to dynamically select the best directional response for any listening environment.

This provides the user with better speech understanding in noise, plus a more natural sense of surroundings - even in the most difficult listening situations.

### Binaural Environmental Optimizer™ II

The hearing instruments work together to analyze and accurately classify the listening environment, automatically adjusting gain and noise reduction settings.

Patients can enjoy optimal audibility and listening comfort even when moving through rapidly changing sound environments.

### Noise Tracker™ II

Spectral subtraction technique is used to reduce unwanted noise without degrading the speech signal.

Increases patient's comfort in noisy listening situations without compromising speech understanding.

### DFS Ultra™ II with Music Mode™

Better precision and scaling in DFS Ultra II allow the adaptive filter to cancel feedback more accurately than was previously possible. Music Mode analyzes the sound input over a longer period of time resulting in better accuracy in distinguishing true feedback from other tonal input sounds.

Users can now enjoy extra comfort, better audibility and all the subtle nuances of rich sound, even in the most challenging situations. The music mode setting gives users a clearer, richer distortion-free music experience.

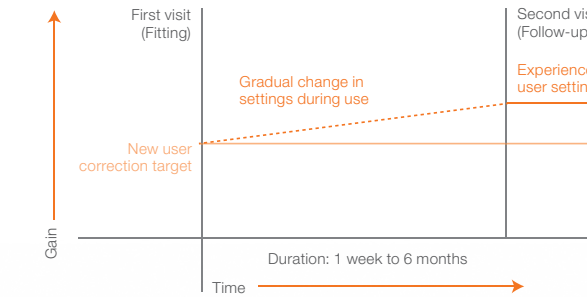
# Sturdy. Simple. Smart.



ReSound offers you the smartest hearing aids available today. With top-rated sound quality, slim and durable designs and more ways to connect to your world, it's a hearing experience like no other.

## BUILT FOR PERFORMANCE

An Ultra Power receiver lets you fit ReSound LiNX™ on patients with moderate to profound hearing losses. New linear and semi-linear settings in Aventa 3.6 and later give you more flexibility when you fit patients accustomed to a more linear fitting. Gain settings for all receivers have been restructured for an easier-to-fit gain portfolio and a better spread of fitting ranges.



**Synchronized Acceptance Manager™**

This feature gradually applies gain to reach final target fittings. A 2.4 GHz wireless connection ensures that the adaptation process is coordinated between your patient's two hearing instruments.

## BUILT FOR RELIABILITY

iSolate nanotech, an ultrathin polymer shield, seals off every component of our hearing instruments from moisture. All receivers are now also iSolate nanotech coated, making ReSound LiNX even more robust and reliable. And, the receiver-in-ear hardware comes in an all-new design.

## BUILT FOR CONNECTIVITY

ReSound LiNX features:

- T-coil
- A DAI (Direct Audio Input) and Programming connector in our BTEs, is integrated in to the battery door, to accommodate wired inputs and programming data

## BUILT FOR FLEXIBILITY

ReSound LiNX provides a variety of fitting options. ReSound LiNX 77 can be fit with a thin tube, and ReSound LiNX 88 can be fit as a standard BTE. And, our easy-to-change housing kits are available in 12 colors for the ReSound LiNX 61, allowing you to quickly and easily address your patients' cosmetic preferences. If you have inventory, this also allows you to stock fewer ReSound LiNX models at a time.

See how to change the housing at [gnresound.com/linx](http://gnresound.com/linx)

