

Learner Outcomes

- Describe the physical characteristics and features of the Nano RITE hearing device
- Explain how Sonics Noise Reduction technologies can provide comfort in high noise environments while preserving the speech signal
- Properly replace the receiver units on the Nano RITE hearing device

newsonics.com



Sonic Listened

- Flip miniRIC has been a success for many HCPs
- Tremendous battery life
- Excellent sound quality
- Great fitting flexibility
- BUT...Flip isn't for everyone
 - Battery door design
 - The body is 'too wide'



• 312 battery • Sleek design • Wireless compatible • Standard and Power Speakers



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• The Healthy Cochlea... Contrast

- Preserves the natural level differences across frequencies for each phoneme
- This difference across frequencies is called "Frequency Contrast"
- Critical for speech clarity
- Must be able to maintain frequency differences between similar phonemes to be able to tell those phonemes apart

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Clarity Requires Frequency Contrast

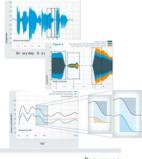
• (SVP frequency contrast animation)

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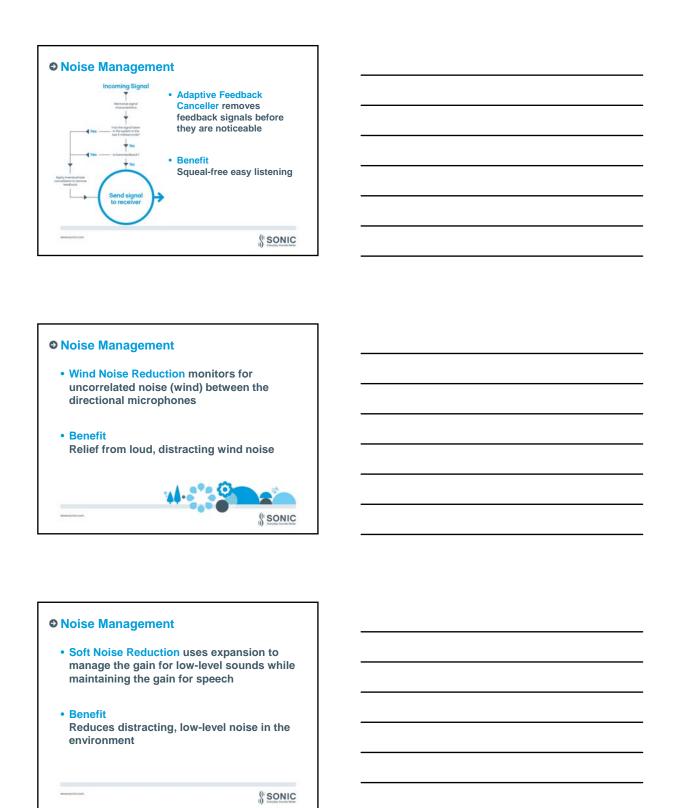
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Key Points, SVP

- Speech is complex and dynamic
- Amplification must be applied quickly to be correct
 - (fast attack / fast release)
- Preserve frequency contrast to maintain clarity

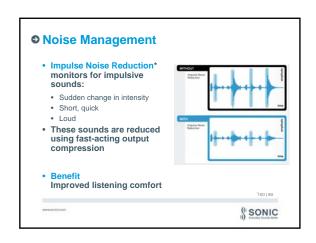


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Noise Management Speech Priority Noise Reduction (SPNR) monitors the input and determines the modulation "fingerprint" of the signal. Highly modulated signals are preserved where steady-state noise is attenuated Benefit Provides comfort and preserves intelligibility of speech signals SONIC





• Focus on What Matters	
Directional Systems feature both fixed a adaptive options to address a variety of challenging listening situations	
Benefit Allows patients to focus on the things t want to hear – the important everyday sounds happening right in front of then	
)) S	SONIC
Binaural Coordination	
Binaural Synchronization ensures chan made using local controls are made simultaneously to both ears (100 80 60)	nges
Binaural Environment Classification us input from both devices to create a 360 analysis of the environment (100 80)	
 Non-Telephone Ear Control designates non-telephone ear to be configured with less or no amplification (100) 	
www.anrict.com	SONIC control loss
● Binaural Coordination	
(Binaural Coordination animation)	-
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Seamless Operation

- Universal Listening Environment tuned to optimize essential speech-related cues, maximizing speech intelligibility in noisy situations
- Benefit

Delivers hands-free operation, giving patients a seamless, easy listening experience

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Professional Ease of Use

- Pre-Configured Programs
 combine features and amplification ideal for a specific listening scenarios
- Data Logging allows for easy fine-tuning based on historical performance
- Data Learning gradually adapts to the patient's preferred volume settings

Benefit

Quick, easy configuration of the patient's device for their specific listening needs



Connectivity SoundGate • TV Adapter • Phone Adapter • RC-P Remote SONIC The New SoundGate · Evolution of current design Wireless range of 30 meters Standard size stereo jack • Integrated T-Coil • Up to 10 hours battery life while streaming • Integrated neck strap – 3 sizes available New design, new finish – soft touch coating SONIC The New TV Adapter Compatible with original SoundGate Wireless range of 30 meters (200% increase) SelectMe allows for easy switching between multiple TV adapters Supports TOSLINK digital cable output/input Dolby digital support can decode audio in Dolby Digital format (AC3)

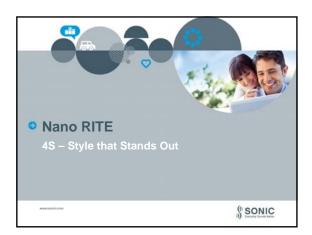
The New Telephone Adapter

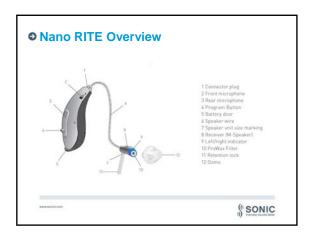
- Compatible with original SoundGate
- Wireless range of 30 meters (200% increase)
- Connection to digital office phones using Sennheiser accessory

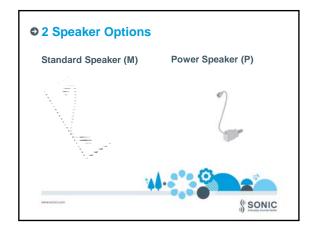


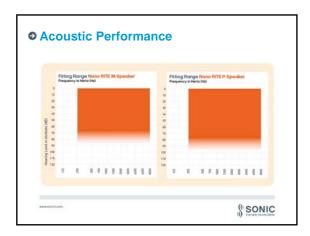


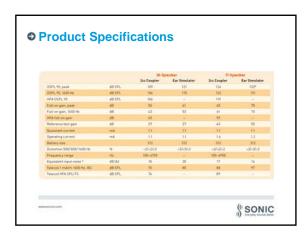
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• Attaching the Speak	cer Unit		
Ensure that the lock pin is fully inserted into the			
hearing instrument	- 4		
Use the back side of the tweezers tool if necessary			
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peculiane.	1)) Service lands have		
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Attaching the Speak	rer Unit		
 To test the attachment of the speaker unit to 			
the hearing instrument, gently pull the speaker			
wire near the	120		
connection to the hearing instrument			
If speaker comes off,			
then it was not attached properly			
		<u> </u>	
www.conc.com	SONIC		
		1	
Detaching the Speal	ker Unit		
Use the pointed end of			
the disassembly tool to push the lock pin free			
push the lock pill little	100		
*NOTE: Do not attempt to			
detach speaker unit by pulling on the wire without pushing			
the lock pin free			
www.bonkii.com	SONIC		

• Detaching the Speaker Unit Hold the instrument firmly with one hand with the other hand hold the edge of the connector plug between your thumb and forefinger SONIC • Detaching the Speaker Unit · Gently pull the connector plug out of the socket • If it does not come out easily, verify the lock pin is completely free * Avoid losing locking pin SONIC Speaker Unit – Retention Lock · Used to obtain a more secure hold on the ear canal Insert the retention lock in the slot receiver If the retention lock seems too long, trim to the desired length To remove the retention lock, push it in the opposite direction SONIC

Custom Molds Available

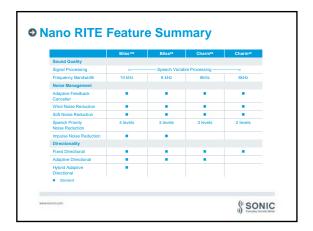
- Standard Speaker require an adapter
- Micro Mold
- Lite Tip
- Power Speaker -
- Similar design to Flip Power receiver involving a faceplate lock and mold mimics an ITC

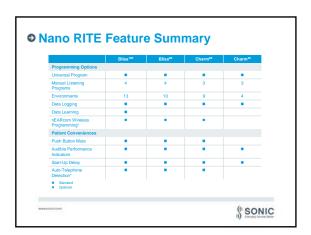
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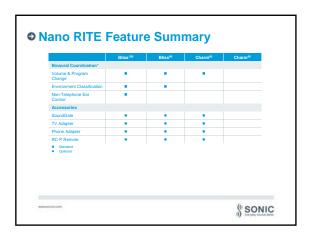
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● Micro Mold and Lite Tip I Front-top indicator Micro Mold adapter Micro Mold adapter Micro Mold adapter Micro Mold adapter WaxStop fitter Pull-out string Lite Tip adapter ProWax filter









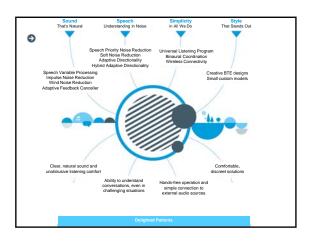


Reliability to Trust

- International Protection Codes (IP Ratings) are used to indicate the degree of protection from dust and moisture -IP(dust)(moisture)
- Nano RITE received a rating of IP57
- 5 → robust protection against the entry of dust
- 7 → protected in temporary immersion in water (IEC 60529 up to a depth of 1 meter for 30 minutes)

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© Final Comments

- Thank you so much for attending Sonic's course Introducing the Nano RITE.
- Any Questions?
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- www.sonici.com
- Email: err@sonici.com

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