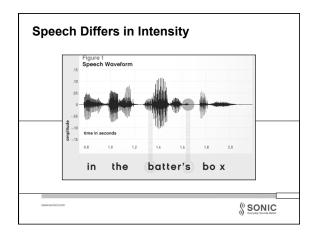


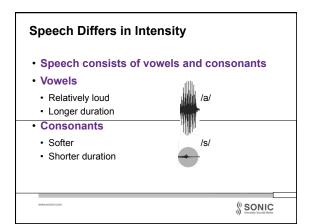
Pep Highlights

- Pep is ideal for the first-time user and for patients with basic hearing needs.
- Provides processing features essential to improved listening comfort and improved overall hearing ability
- · Includes features for patient convenience
- 5 Models BTE and Custom options

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Features	
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Keeping Sound Natural	
 Pep uses Speech Variable Processing (SVP), a fast-acting WDRC system designed to 	
replicate the functions performed by a	
healthy cochlear amplifier.	
Benefit: Preserves subtle nuances of speech, making	
sound clear and natural in a variety of	
listening situations.	
www.acorisi.com ((SONIC	
1) сициу одла шин	
A Word About Oncock	
A Word About Speech	
Speech is complex and dynamic	
Patterns and sounds vary all the time	
Components may be quick or slow	
Have different levels of energy as vocal inflections rise and fall	
Our ears translate these things naturally	
A hearing device requires sophisticated	
technology to process speech accurately	
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• A super-computer in hearing instrument form • Preserves the fine details of speech • Makes conversations clear and natural in a variety of listening situations Society Society Society

Three Key Components of SVP	
Three Key Components of SVF	
• Speed	
Frequency Contrast	
Precision Frequency Shaping	
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))) SOUNCE	
Three Key Components of SVP	
Speed	
Frequency Contrast	
Precision Frequency Shaping	
100	
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Speed is Key to Accuracy	
A healthy cochlea:	
Analyzes and adjusts amplification of sound very	
quickly	
This speed is key to maintaining natural sound quality	
www.soricl.com	

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Speed is Key to Accuracy	
SVP attempts to replicate this behavior in two	
ways:	
 Quickly and accurately measures the input level of the incoming signal. 	
Applies the correct amount of amplification, for just the right amount of time, at just the right frequency.	
 Every component of speech receives the correct amount of gain 	
concor amount of gam	
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	I
Traditional Multichannel Systems	-
Commonly slow-acting systems	
Not fast enough	
To detect differences in intensityTo apply gain to the appropriate speech sound	-
Application of gain	
Homogenous	
Often incorrect – especially for very soft speech sounds	
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Three Mars Opening and a 4 OVD	
Three Key Components of SVP	-
• Speed	
Frequency Contrast	
Precision Frequency Shaping	
	-
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Frequency Contrast	
• A healthy cochlea:	
 Amplifies sound in such a way that natural level differences across frequencies is preserved Frequency Contrast is maintained 	
Critical for speech clarity	
www.sorisd.com)) SONIC)) Lerging launch steer	
Frequency Contrast	
SVP preserves Frequency Contrast Measures and applies gain to the wideband acoustic	
signal. • The signal is never measured and adjusted in separate frequency regions	
separate requestey regions	
www.acristi.com (I' SONIC (I' CONIC) (I' CON	
Street can be seen as a see a s	
	-
Traditional Multichannel Systems	
Gain is applied in individual bands and	
recombined • Consequences of applying gain in separate	
bands	
Spectrum can be flattened Eliminates the contrast inherent in the signal	
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Three Key Components of SVP		
Times itsy components of str		
. Speed		
• Speed		
 Frequency Contrast 		
 Precision Frequency Shaping 		
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	Diveryday Sounds Better	
		7
Precision Frequency Shaping		
Frecision Frequency Snaping		-
Independent application of gain at an	ıy _. .	-
frequency, not just within a specified	channel	
• Result?		
 Continuously variable compression ratio acre 	oss all	
frequencies		
 Provides a very high quality, natural sound 		
	6	4
www.dorici.com	SONIC Everyday Sounds Better	
Traditional Multichannel Systems		
 Adjusts gain in each channel 		
• Within a channel, the gain is fixed		
• If the prescribed gain is significantly	different	
across channels:		
Drastic changes in compression		
Results in less than optimal sound quality		
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Conclusion - Speed Speech Variable Processing Traditional Systems • Fast analysis of input signal • Can accurately detect rapid intensity differences • Applies correct amount of gain to each speech sound • Benefit – better speech understanding

Speech Variable Processing	Traditional Systems
Wideband acoustic signal is measured	Signal is divided into many separate frequency regions
Gain is applied to the entire signal	Gain is adjusted in many frequency regions
Contrasts within the signal is maintained	Flattening of speech spectrum

Speech Variable Processing	Traditional Systems
Gain is not applied within a channel	Gain only adjusted within a specified channel
Independent application of gain at every frequency	Gain applied within a channel is fixed
Continuously variable compression ratio across all frequencies	Results in less than optimal sound quality

Focusing on the Speaker	
Pep features a fixed, hypercardioid directional response to reduce sounds coming from the sides and behind. Benefit: Increased focus on sounds from the front (typically the speaker) BTE, ITCD Models	
Torque passa la liter	
	1
Providing Comfort in Noise	
 Soft Noise Reduction uses expansion to manage the amplification of low input level sounds, while preserving the input in frequencies where speech is dominant. 	
• Benefit:	
Reduces soft, low-level sounds without modifying the amplification of important speech-related signals	
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1)] - Georgiag tource themse	
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Providing Comfort in Noise	
 Adaptive Noise Reduction reduces gain only in frequencies where speech is not present. 	
Benefit: Preserves speech clarity while providing comfort.	
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- The Adaptive Feedback Canceller in Pep generates a signal of magnitude equal to and opposite in phase to detected feedback, then applies it to cancel out the feedback signal.
- Benefit: Cancels feedback without reducing gain, providing more overall gain for the patient.

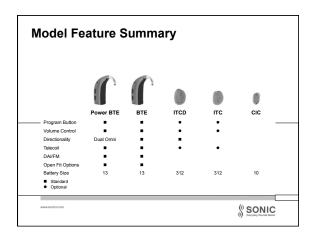
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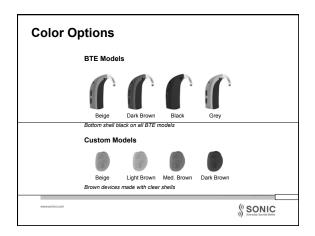
Listening Programs

• 3 configurable listening programs (+DAI/FM for BTE, Power BTE)

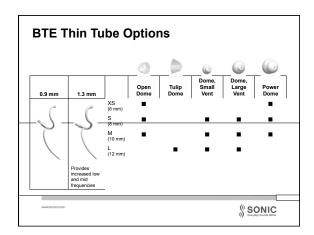
	Universal	Telephone	Television	DAI/FM
Adaptive NR	Medium	Medium	Off	Medium
Directionality	Omni or Fixed Directional (BTE, ITCD) Omni (ITC, CIC) Dual Omni (Power BTE)	Onnii (BTE, ITCD, ITC, CIC) Dual Omni (Power BTE)	Onnii (BTE, ITCD, ITC, CIC) Dual Omni (Power BTE)	Omni (BTE, ITCD, ITC, CIC) Dual Omni (Power BTE)
Other		Configurable Mic / Telecoil Mix		Configurable Mic / DAI Mix
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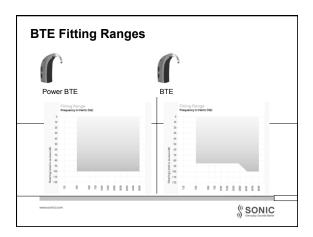


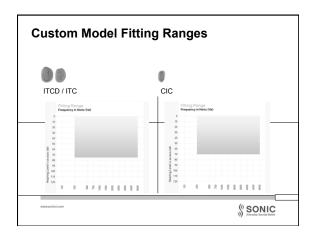


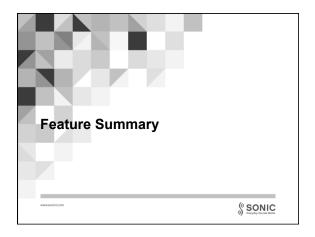


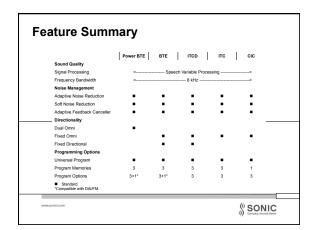
BTE Acoustic Options • The BTE and Power BTE can be fit with either an earhook or thin tube				
	Earhook	Connects to	Ear piece options	
		Tubing	Custom mold	
	Thin Tube	Connects to	Ear piece options	
		Thin Tube (2 sizes)	Domes (5 options) Custom mold	
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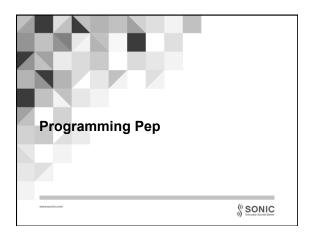






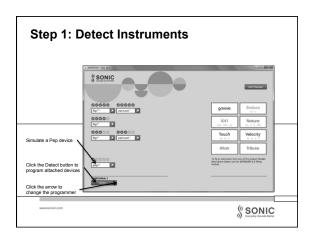


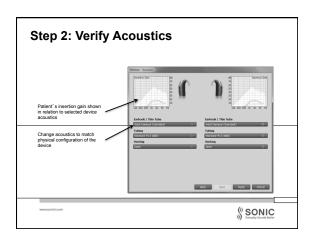


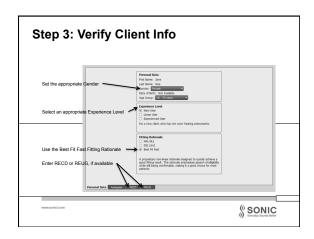


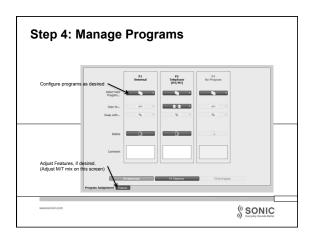
What You'll Need	
• EXPRESSfit 2012.1 or later	
• HI-PRO, NoahLink, or EXPRESS <i>link</i> ³	
• #2 Programming Cables • For BTEs:	
Programming Adapter	
• For Customs:	
ITCD – flex strip with programming pill	
• ITC, CIC – flex strip	
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BTEs: Connect the Programming Adapter	
1. Open the battery door and slide	
the programming	
adapter into the slot until it lines up with	
the instrument.	-
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,,	
BTEs: Connect the Programming Adapter	
2. Close the battery	
door (with a fresh battery) and plug	
the cable into the	
programming socket.	
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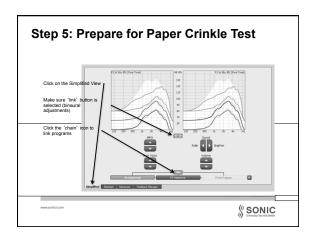
Customs: Insert the Flex Strip (ITCD)	
1. Insert the battery pill with the red indicator pointing to the + sign. 2. Close the battery door.	
www.acrisic.com () SONIC Complete tourish them	
Customs: Insert the Flex Strip (ITC, CIC)	
1. Insert a fresh battery. 2. Open the battery door slightly. With the black dot facing up, insert the end of the Flex Strip into the space between the battery door and the	
hinge until the black dot touches the faceplate. 3. Close the battery door.	
www.acontol.com (("SONIC")) Euryphy tourist dimen	
First Fit Protocol	
Success with a hearing instrument largely depends on the time you have for counseling .	
 Using our First Fit Protocol, you'll have more time with your patient to ensure success from the very start 	
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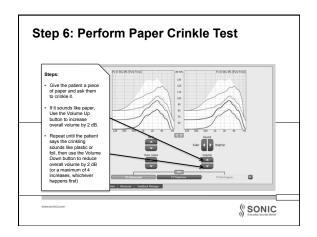


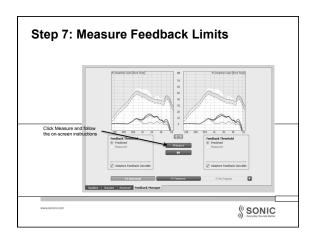


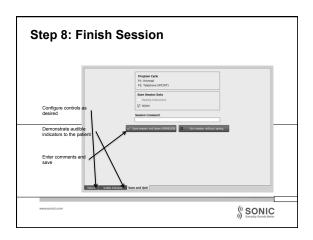














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