





Features


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Speech Variable Processing for Natural Sound

- **Speech Variable Processing** accurately measures the incoming signal and applies gain appropriately, especially for very soft speech sounds
- **Benefit**
Makes sound clear and natural in a variety of listening situations




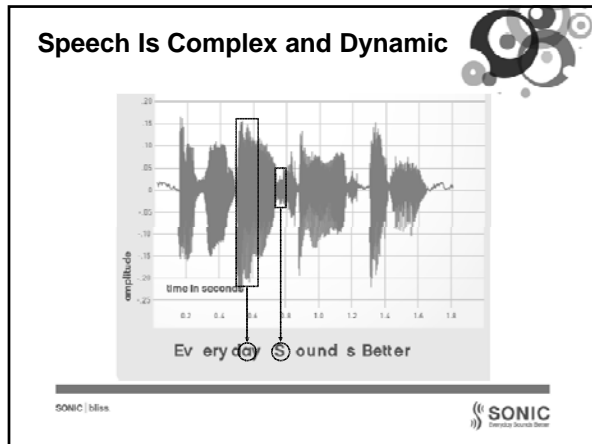
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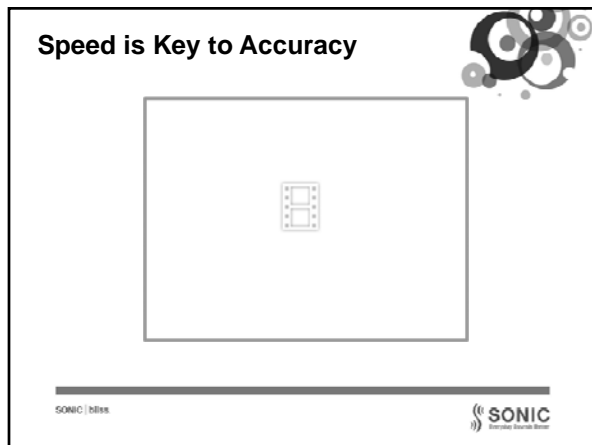


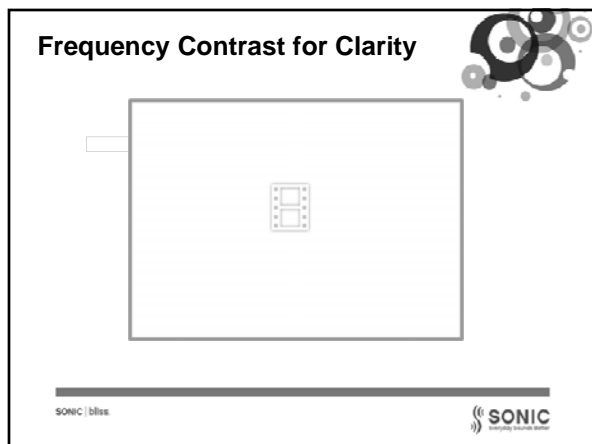
The Speech Variable Processing Key Elements

- 1. Speech**
 - Is complex and dynamic
- 2. Fast**
 - Amplification must be applied quickly to be correct
(Very fast attack / fast release)
- 3. Preserve**
 - Frequency contrast to maintain clarity


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Cut Through the Noise

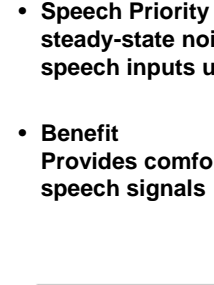


- **Soft Noise Reduction** uses expansion to manage the gain for low-level sounds while maintaining the gain for speech
- **Benefit**
Reduces distracting, low-level noise in the environment

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Speech Priority Noise Reduction for Clear Speech

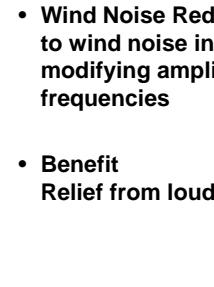


- **Speech Priority Noise Reduction** attenuates steady-state noise while leaving modulated speech inputs unmodified
- **Benefit**
Provides comfort and preserves underlying speech signals

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Cut Through the Noise



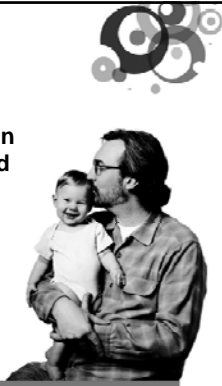
- **Wind Noise Reduction** decreases sensitivity to wind noise in low frequencies without modifying amplification of speech-related frequencies
- **Benefit**
Relief from loud, distracting wind noise

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Cut Through the Noise

- **Impulse Noise Reduction** uses fast-acting compression to suppress unexpected loud sounds
- **Benefit**
Improved listening comfort

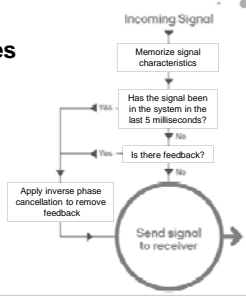


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Cut Through the Noise

- **Adaptive Feedback Cancellation** removes feedback signals before they are noticeable
- **Benefit**
Squeal-free, easy listening




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Improve Your Hearing

Focus on What Matters


- **Directional Systems** feature both fixed and adaptive options to address a variety of challenging listening situations
- **Benefit**
Allows patients to focus on the things they want to hear – the important everyday sounds happening right in front of them




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Process with Precision




- **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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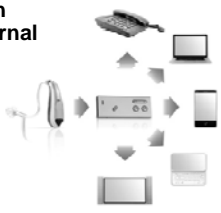
Process with Precision



- **Binaural Environmental Classification** uses input from both devices to create a 360° analysis of the environment, then selects the best settings for both Universal programs
- **Benefit**
Optimal performance of Universal program in challenging environments


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Bliss Fully Connected



- Created to connect to life's conveniences, Bliss[®] comes ready to communicate with Bluetooth-compatible external audio sources
- SoundGate
- TV Adapter
- Phone Adapter
- RC-P Remote

*miniBTE, ITEPDW, ITCPDW models

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Programmed to Please

- Data Logging allows for easy fine-tuning based on historical performance
- Data Learning adapts default amplification settings over time to match user preferences
- Wireless Programming* through nEARcom



*miniBTE, ITEPDW, ITCPDW models

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Pre-Configured Environments

- Combine features and amplification ideal for a specific listening scenario
- Benefit
Quick, easy configuration of the patient's device for their specific listening needs

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Environment Details

Environment	Bliss ¹⁰⁰	Bliss ⁹⁰	Notes
Universal	•	•	Optimized for Speech in Noise; Directionality
Quiet	•	•	No auto features; Optimized for Speech in Quiet; Omni
Telephone	•	•	Mic, Phone Coil, or Mix; Trigger: PB, SG or RC-P
Low Noise	•	•	Fixed Directionality
High Noise	•	•	Directionality
Television	•	•	No automatic features; Omni
Classroom	•	•	Response optimized for speech; Omni
Music	•	•	Decreased compression; Omni
Automobile	•	•	Configurable directionality
Movie / Theater	•	•	Decreased compression, Omni or Fixed Directionality
SG Phone	•	•	SoundGate/Mic Mix; Trigger: SoundGate
SG Entertainment	•	•	SoundGate/Mic Mix; Trigger: SoundGate
AutoTelephone	•	•	Mic, Phone Coil, or Mix; Trigger: Magnetic field ONLY
DAI/FM	•	•	DAI/Mic Mix; Trigger: DAI boot attached

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Models

Bliss is available in a variety of models to match your individual lifestyle and hearing needs.


- miniBTE
- 4 Custom models

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 **SONIC**
Hearing Instrument Division





miniBTE




- The miniBTE combines style, small size, and functionality:
 - Earhook or Thin Tube options
 - Long-lasting size 13 battery
 - Large program button
 - Wireless connectivity
 - Auto telephone
 - DAI input
 - Tamper-resistant lock

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Custom Instruments



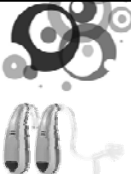


- Custom instruments are powerful and feature-rich:
 - New ProWax system to protect receiver from moisture, cerumen
 - Covered microphones to protect against debris
 - Wireless connectivity*
 - Telecoil, auto telephone*

*miniBTE, ITEPDW, ITCPDW models

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 **SONIC**
Hearing Instrument Division

Model Feature Summary



	CIC	CICP	ITCPDW	ITEPDW	miniBTE
Battery Size	10A	10A	312	13	13
Program Button		●	●	●	■
Directionality			■	■	■
Telecoil			●	●	
Auto Telephone			●	●	■
Wireless Accessories			●	●	●
DAI/FM					■
Open Fit Options					■
■ Standard ● Optional					

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miniBTE Acoustic Options



- The miniBTE 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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helping you hear better



miniBTE Thin Tube Options

0.9 mm	1.3 mm		Open Dome	Tulip Dome	Dome, Small Vent	Dome, Large Vent	Power Dome
		XS (6 mm)	■				■
		S (8 mm)	■		■	■	■
		M (10 mm)	■		■	■	■
		L (12 mm)		■	■	■	
		Provides increased low and mid frequencies					

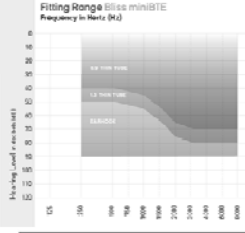
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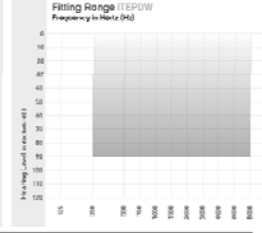
miniBTE, ITEPDW Fitting Ranges


Fitting Range Bliss miniBTE
Frequency in Hertz (Hz)





Fitting Range ITEPDW
Frequency in Hertz (Hz)



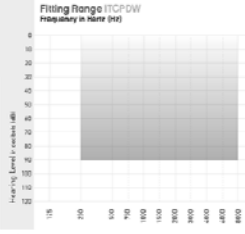
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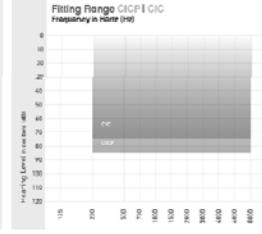
ITCPDW, CICP/CIC Fitting Ranges


Fitting Range ITCPDW
Frequency in Hertz (Hz)



Fitting Range CICP/CIC
Frequency in Hertz (Hz)





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Feature Summary

Bliss is available in two technology levels to match patients' individual lifestyle and hearing needs.



Feature Summary

	Bliss ¹⁰⁰	Bliss ⁴⁰
Sound Quality		
Signal Processing	←----- Speech Variable Processing -----→	
Frequency Bandwidth	10 kHz	8 kHz
Noise Management		
Adaptive Feedback Canceller	■	■
Wind Noise Reduction	■	■
Soft Noise Reduction	■	■
Speech Priority Noise Reduction	4 levels	3 levels
Impulse Noise Reduction	■	■
Directionality		
Fixed Directional	■	■
Adaptive Directional	■	■
Hybrid Adaptive Directional	■	
■ Standard		

Feature Summary

	Bliss ¹⁰⁰	Bliss ⁴⁰
Programming Options		
Universal Program	■	■
Manual Listening Programs	4	4
Environments	14	11
Data Logging	■	■
Data Learning	■	
nEARcom Wireless Programming*	●	●
Patient Conveniences		
Push Button Mute	■	■
Audible Performance Indicators	■	■
Start-Up Delay	■	■
Auto-Telephone Detection*	■	■
■ Standard		
● Optional		
*miniBTE, iTEPOW, iTCPOW		

Feature Summary

	Bliss ¹⁰⁰	Bliss ⁹⁰
Binaural Coordination*		
Volume & Program Change	■	■
Environment Classification	■	■
Non-Telephone Ear Control	■	
Accessories*		
SoundGate	●	●
TV Adapter	●	●
Phone Adapter	●	●
RC-P Remote	●	●
■ Standard ● Optional *TMSITE, ITEPDM, ITCPOW		

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Bliss vs. Velocity

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Bliss vs. Velocity

Feature	Bliss ¹⁰⁰	Bliss ⁹⁰	Velocity 24	Velocity 12
Signal Processing/Compression	SVP	SVP	Sonic Sound	Sonic Sound
Noise Management				
Feedback Cancellation	Next Gen Adaptive	Next Gen Adaptive	Adaptive	Adaptive
Soft Noise Reduction/Expansion	✓	✓	✓	✓
Noise Reduction	Speech Priority	Speech Priority	Adaptive	Adaptive
Other	Wind, Impulse	Wind, Impulse		
Directionality				
Fixed	✓	✓	✓	✓
Adaptive	Adaptive, Hybrid Adaptive	Adaptive	Adaptive	Adaptive
Binaural Coordination				
Physical Control Operation (PB, VC)	✓	✓		
Environmental Classification	✓	✓		
Directional Logic	✓	✓		
Binaural Telephone Option	Non-Telephone Ear Control			

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Bliss vs. Velocity



Feature	Bliss ¹⁰⁰	Bliss ⁸⁰	Velocity 24	Velocity 12
Other Features				
Fitting Programs	4	4	4	3
Models				
BTE Models	miniBTE		miniBTE, Standard	
Wireless BTE Models	miniBTE			
Custom Models	CIC, CICP, ITC, ITEP		CIC, MC, ITC, HS, ITEP	
Wireless Custom Models	ITC, ITEP			
Accessories				
Gateway Device for Mobile Phones	SoundGate			
Television	TV Adapter			
Land Telephone	Telephone Adapter			
Remote	RC-P			
Wireless Programming	nEARcom			

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Built on a Strong Foundation



- **Sonic 4S Foundation:**
 - **Sound** That's Natural
 - **Speech** Understanding in Noise
 - **Simplicity** in All We Do
 - **Style** That Stands Out
- **Our dedication to these principles result in natural, clear, easy-to-use, beautiful solutions**

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