Spice+
Right...from the start

Phonak Spice+ Overview
Spring 2012

PHONAK | life is on

Welcome to the complete portfolio of hearing delight

For many, Phonak stands for outstanding solutions for power, pediatrics and premium. While that is of course true, there is much more to discover. There literally is a Phonak for everyone regardless of lifestyle, degree of hearing loss, style preference and budget.

The current Phonak portfolio is based on Spice+, the industry's fastest, highest-capacity chip platform.

It boasts best-in-class products at four performance levels. A key asset of Spice+ technology at every performance level is that it is designed to enhance spontaneous user acceptance and provide outstanding sound quality. With streamlined Phonak Target™ fitting software, the products are easy to fit and require little fine-tuning. All in all, Phonak offers the strongest portfolio in the industry.

Spice+ portfolio – the best answer to all of your and your client's needs

1. Four performance levels to suit a **wide range of budgets**

2. Exceptional **first–fit acceptance** and optimal **sound quality**

3. Exceptional **audibility** of the full spectrum of sounds thanks to proprietary **SoundRecover** algorithm

4. Superb **performance in noise** thanks to a host of unique binaural and monaural directional features

5. Solutions **for all degrees of hearing loss** from the mildest to the most profound

6. **Broadest range of styles** from the smallest custom to the most powerful BTE and everything in between

7. A comprehensive portfolio of **water–resistant** solutions

8. A unique solution for single-sided deafness – **Phonak CROS**

9. A host of sophisticated yet easy to use **wireless accessories**

10. **Easy to fit** thanks to streamlined Phonak Target™ fitting software

Spice+ performance levels

Until recently, Phonak Spice+ performance benefits were available
in Premium, Advanced and Standard performance levels. But now, with
the introduction of the new Essential performance level, you can offer
Spice+ quality to many more of your clients.

Premium
Developed to satisfy the most demanding clients
who desire and expect nothing but the best.
A complete set of trail-blazing solutions uniquely
address all hearing challenges while supporting
understanding in even the most difficult listening
situations. Key innovations in the Premium feature
set include exclusive binaural features that open the
door to communication even in situations previously
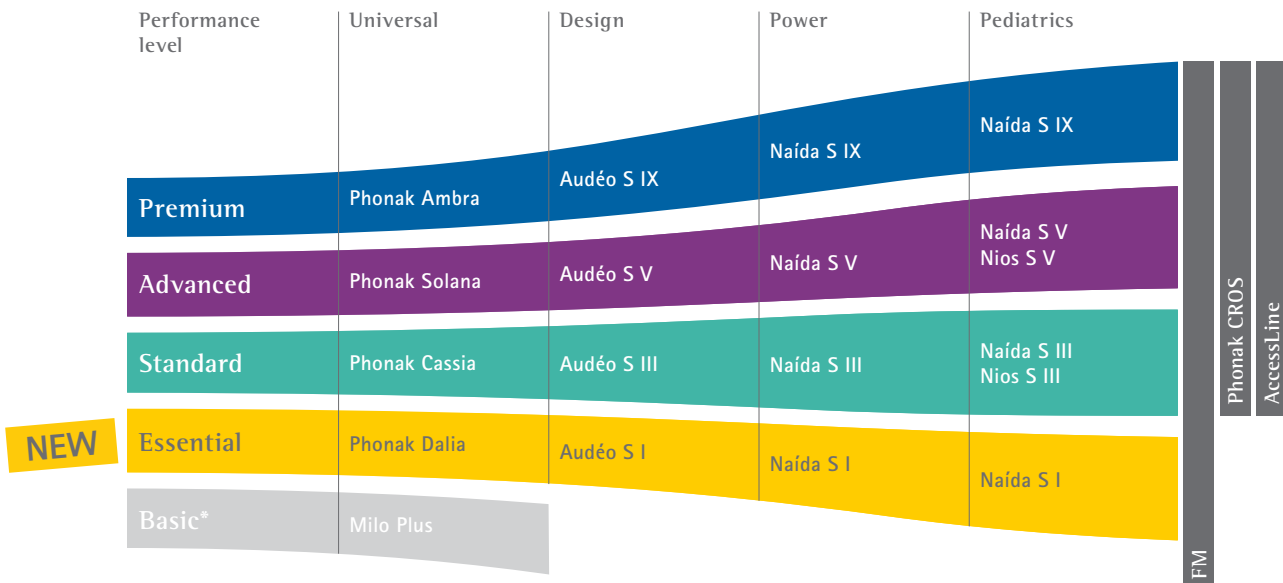considered impossible.

Advanced
The perfect balance of performance and price,
designed to change the way a mid-range hearing
solution is perceived. An impressive offering of
enhanced features includes unique-to-Phonak
directional solutions and intelligent user interaction
to enhance hearing performance.

Standard
The Phonak offering in this performance level
is ideally suited to clients who demand value
while still expecting state-of-the-art technology
and up-to-the-minute design. Its competitive
feature set has the capability to support the
hearing demands of daily life.

Essential
The Essential product offering embodies the
fundamentals of hearing delight by providing
unique Phonak features that enhance audibility
and speech intelligibility. This means you can
now exceed the expectations of your most cost-
sensitive clients without compromise.

Performance level	Universal	Design	Power	Pediatrics
Premium	Phonak Ambra	Audéo S IX	Naída S IX	Naída S IX
Advanced	Phonak Solana	Audéo S V	Naída S V	Naída S V / Nios S V
Standard	Phonak Cassia	Audéo S III	Naída S III	Naída S III / Nios S III
Essential **NEW**	Phonak Dalia	Audéo S I	Naída S I	Naída S I
Basic*	Milo Plus			

Phonak CROS — AccessLine — FM

* CORE platform

	Premium	Advanced	Standard	Essential **NEW**
	Phonak Ambra Naída S IX Audéo S IX	Phonak Solana Naída S V Audéo S V Nios S V	Phonak Cassia Naída S III Audéo S III Nios S III	Phonak Dalia Naída S I Audéo S I
Binaural and Directional Features	UltraZoom Premium QuickSync ZoomControl StereoZoom auto ZoomControl DuoPhone	UltraZoom Advanced QuickSync ZoomControl	UltraZoom Standard QuickSync	UltraZoom Essential
Phonak Signature Features	SoundRecover WhistleBlock NoiseBlock Premium SoundFlow Premium FlexVolume SelfLearning WindBlock SoundRelax Real Ear Sound EchoBlock FlexControl	SoundRecover WhistleBlock NoiseBlock Advanced SoundFlow Advanced FlexVolume SelfLearning WindBlock SoundRelax Real Ear Sound	SoundRecover WhistleBlock NoiseBlock Standard SoundFlow Standard	SoundRecover WhistleBlock NoiseBlock Essential

AccessLine

Phonak ComPilot*
Wireless streaming, remote control and VoiceAlerts

Phonak TVLink S*
Couples with ComPilot for an unrivalled TV experience

PilotOne**
User-friendly and ergonomic remote control

* Compatible with all Spice+ wireless hearing instruments
** Compatible with all Spice+ wireless hearing instruments and Petite ITE models

Breakthrough designs –
Innovative styles that impress

The Spice+ portfolio offers an impressive variety of solutions in all shapes and sizes for all power classes. All are designed to combine cosmetics, easy handling, reliability, enhanced acoustical performance and optimal wearing comfort. Below is a small selection of key product highlights.

Phonak nano
Nothing to see, everything to hear
Spice+

Style	Micro-In-the-Canal (MIC)
Highlights	Smallest Phonak custom device, virtually invisible, no special impression technique required.
Who?	The perfect choice for your most cosmetically conscious clients.
Why?	Best overall hearing performance and highest client satisfaction.
	Available in Premium, Advanced

Phonak M H2O
Make a splash with the WaterResistant portfolio
Spice+

Style	Micro-size BTE housing with 13 battery
Highlights	Water and dust resistance with an unmatched IP67 rating. Optimal broadband frequency response. Telecoil, FM compatibility and on-board manual control.
Who?	The perfect choice for the large majority of your clients who desire a BTE instrument.
Why?	Unique offering combining Spice+ performance with a small, elegant housing and unbeatable water and dust protection.
	Available in all performance levels

Audéo S SMART
Brilliant design meets Spice+ performance

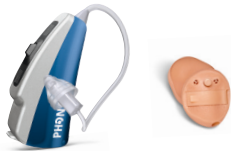|	
Style	Award winning external receiver design
Highlights	Choice of three external receivers, full wireless functionality, on-board manual control.
Who?	For clients who demand style and control plus access to the wireless world.
Why?	No other external receiver device offers this unique combination of state-of-the-art performance, attractive design and choice of user controls.
	Available in all performance levels

Naída S CRT
Receiver-in-the-canal with a telecoil

Style	External receiver device with a size 13 battery and three receiver options (xS, xP, xSP plus)
Highlights	The first and only external receiver device that offers water-resistant performance even with integrated FM. The smallest power external receiver device, complete with telecoil, on-board control and full wireless connectivity.
Who?	Users who desire discreet solutions without compromising performance.
Why?	Unique to Phonak, no other external receiver device offers the combination of cosmetics, performance and water resistance.
	Available in Premium, Advanced, Standard

Phonak CROS
All around hearing delight

Style	Micro-size BTE and custom ITE
Highlights	Smallest ever CROS transmitter, sophisticated wireless thanks to full band real-audio transmission, unique versatility, compatible with all wireless Spice+ products.
Who?	Clients with unaidable hearing loss on one side and better hearing on the other, seeking a cosmetically attractive, high-performing and flexible solution.
Why?	No-compromise solution offering unique design and versatility. Compatible with all wireless models in the Spice+ portfolio you can meet all the needs of your clients with single-sided deafness.

Phonak ComPilot
The all-in-one accessory from Phonak

Style	Multifunctional digital wireless accessory
Highlights	An amazing 8+ hours of wireless streaming. Remote control for maximum impact and ease of use. The only accessory featuring VoiceAlerts. True plug and play. Perfect partner with the TVLink S basestation.
Who?	For clients wishing to communicate wirelessly and control their hearing system with only one device.
Why?	Hassle-free for you and your clients while delivering unmatched performance. Covers all wireless communication needs from hands-free phone conversations to enjoyable music and TV listening.

Unique Phonak features that make all the difference

Phonak Spice+ products have the most impressive collection
of sophisticated sound-processing features and functionalities.

SoundRecover
Adding understanding to hearing
SoundRecover triggered a paradigm shift in the approach to amplification of high-frequency sounds across all levels of hearing loss. Picking up where extended bandwidth leaves off, it employs nonlinear frequency compression to ensure audibility of high-frequency sounds. SoundRecover expands perceptual bandwidth, improving intelligibility while maintaining natural sound quality.

But don't take our word for it. SoundRecover is one of the most studied and published features in the industry. Research results from all over the world are available in more than 20 industry and peer-reviewed publications and conference presentations. Visit www.phonak.com/soundrecover to learn more.

StereoZoom
Focus on a single voice in a noisy crowd
StereoZoom is the only wireless, binaural directional feature that employs full bandwidth audio streaming and sophisticated processing to create a bi-directional network of four microphones. This allows wearers to focus on a single speaker while suppressing other interfering sounds. StereoZoom fulfills a long-standing wish to effectively hear the voice of a single person in situations with excessive background noise.

auto ZoomControl
Automatic focus wherever speech comes from
When Phonak introduced ZoomControl it revolutionized directional hearing and set a benchmark for binaural processing. auto ZoomControl takes this to the next level. Once activated, it automatically selects the direction of the dominant speech source. When focusing to one side, the speech signal is picked up and amplified by the instrument on that side; simultaneously the entire signal is streamed to the other ear. As a result, the desired signal is heard in both ears, improving the signal-to-noise ratio. auto ZoomControl automatically tracks and focuses on speech, regardless of the direction, without the need to face the speaker.

UltraZoom

Directional microphone technology reinvented

UltraZoom is the latest revolution in adaptive multichannel beamforming technology. Sophisticated microphone matching and calibration ensure optimal long-term performance of the dual-microphones. UltraZoom is automatically activated as needed within the SoundFlow automatic system, and is designed to improve understanding in background noise over traditional directional microphones.

SoundFlow

Seamless automatic precision

SoundFlow is an exclusive Phonak automatic system that blends up to 4 base programs to offer smooth, seamless transitions between different listening scenarios.
The subtle detection of changes in the sound environment enables the precise automatic adaptation of the full range of sound-cleaning features. This is only possible because of the Spice+ high-definition, multidimensional sound classification system within SoundFlow.

DuoPhone

Phone conversations as easy as they should be

Optimal understanding on the phone is achieved through bilateral hearing. With DuoPhone the signal is streamed in real time to the other ear, so the caller's voice is heard in both ears. The microphone of the receiving instrument is attenuated so background noise is reduced and SNR is significantly improved. The phone can be used with confidence and listening becomes enjoyable again.

AOV

Acoustically Optimized Vent

The proven and unique Acoustically Optimized Vent (AOV) technology, a Phonak exclusive, ensures the right-sized vent for each instrument to deliver the ideal balance between gain, sound quality and reduced occlusion.

For more information on the Phonak Spice+ portfolio visit
www.phonakpro-us.com/spiceplus

Overview – Phonak Spice+ portfolio

		Model	Battery	Categories of Hearing Impairment	xReceiver option & Coupling used for measurement	Ear Simulator Max. Gain	Ear Simulator Max. MPO	2 cc Max. Gain	2 cc Max. MPO	Acoustic Coupling	Hardware Features	FM & Wireless Accessories (ML / AS)
Universal (BTE)	Phonak Ambra / Phonak Solana / Phonak Cassia / Phonak Dalia	Petite*	10		SlimTube	51	120	45	118			
		microM	312		SlimTube	59	128	54	126			
		M H2O	13		SlimTube	59	128	55	126			15i / 15
		microP	13		Tone Hook	64	131	60	129			13i / 13
		SP	13		Tone Hook	75	135	70	133			13i / 13
Pediatric (BTE)		Nios S H2O (V, III)	13		Tone Hook	67	134	63	131			15i / 15
Power / Pediatric (BTE / CRT)		SP (IX, V, III, I)	13		Tone Hook	80	141	75	140			11i / 11
		UP (IX, V, III, I)	675		Tone Hook	85	144	82	142			10i / 10
	Naída S	CRT (IX, V, III) — Standard xReceiver (xS)	13			56	121	45	112			15i / 15
		Power xReceiver (xP)				65	132	55	126			15i / 15
		SuperPower plus (xSP plus)				72	137	65	133			15i / 15
Design (CRT)	Audéo S	YES (IX, V, III) — Standard xReceiver (xS)	312			56	121	44	112			
		Power xReceiver (xP)				62	132	52	125			
		SuperPower xReceiver (xSP)				66	133	58	129			
		SMART (IX, V, III, I) — Standard xReceiver (xS)	312			56	121	45	112			
		Power xReceiver (xP)				65	132	55	126			
		SuperPower xReceiver (xSP)				69	133	61	129			
		MINI (IX, V, III) — Standard xReceiver (xS)	10			56	121	45	112			
		Power xReceiver (xP)				65	132	55	126			
		SuperPower xReceiver (xSP)				69	133	61	129			

* Not available as Phonak Dalia   ** Available for SlimTip and cShell

▲ Requires iCom or ComPilot   ✦ Not compatible with Phonak Dalia / Audéo S SMART I / Naída S I

Technical Information / FM & Wireless Accessories

Custom products — Phonak Ambra, Phonak Solana, Phonak Cassia, Phonak Dalia

Model	Battery	Mild hearing loss	Moderate hearing loss	Severe hearing loss	Profound hearing loss	Ear Sim. Max. Gain	Ear Sim. Max. MPO	2 cc Max. Gain	2 cc Max. MPO	MIC / nano	CIC	MC	ITC	HS	FS	AOV	Telecoil	Compat. CROS/BiCROS	ComPilot/TVLink S	myPilot	PilotOne	MyLink+	FM Transmitters
nano **	10	M	M							D						●							
10 Petite	10	M P	M P SP	SP							D	●	●	●		●	●				✦		
312 Petite*	312	M P	M P SP	SP UP		M 50	M 120	M 40	M 112			D	●	●	●	●	●	●	●	●		●	●
312 UZ Petite	312	M P	M P SP	SP UP °		P 60	P 123	P 50	P 117				D	●	●	●	●		●	●	✦	●	●
13 UZ Petite°	13	M P	M P SP	SP UP		SP 70	SP 128	SP 60	SP 122					D	●	●	●		●	●	✦	●	●
312 *	312	M P	M P SP	SP		UP 79	UP 135	UP 70	UP 130				D	●	●	●	●	●	●	●		●	●
312 UZ *	312	M P	M P SP	SP UP										D	●	●	●	●	●	●		●	●
13 UZ *	13	M P	M P SP	SP UP											D	●	●	●	●	●		●	●

** Not available as Phonak Dalia / Phonak Cassia
* Not available as Phonak Dalia
° Only available as Phonak Dalia

D Default
● Optional
✦ Not compatible with Phonak Dalia

Life is on

We are sensitive to the needs of everyone
who depends on our knowledge, ideas and care.
And by creatively challenging the limits of
technology, we develop innovations that help
people hear, understand and experience
more of life's rich soundscapes.

**Interact freely. Communicate with confidence.
Live without limit. Life is on.**

www.phonakpro-us.com