Signia Nx Hearing Aids - Feature Overview

Nx platform features

		7Nx	5Nx	3Nx	2Nx	1Nx
OVP™ (Own Voice Processing)	Own Voice Processing (OVP™) utilizes real-time recognition of the wearer's voice to deliver a natural own-voice impression. Available for RIC/BTE devices with Ultra HD e2e.	●●●●●	●●●●●	●●●●●	–	–
3D Classifier	Unlike conventional classification systems which rely on acoustic data, 3D Classifier analyzes multi-dimensional information from the wearer's environment and communication behavior. Information on the wearer's voice activity, motion state, and acoustic data are used to tailor the hearing aid's response to the wearer's needs. Motion detection available for Bluetooth enabled fittings.	●●●●●	●●●●	●●●	–	–
Sound Clarity	Sound Clarity provides lifelike sound which covers the full spectrum of wearing situations. Exceptional clarity is achieved with features such as: HD Spatial, extended dynamic range, extended bandwidth, EchoShield, HD Music, eWindScreen™, speech and noise management and feedback cancellation.	●●●●●	●●●●	●●●	●●	●●
Signal processing / Gain & MPO	Channels/handles in Connexx.	48/20	32/16	24/12	16/8	16/8
Hearing Programs	Number of programs configurable in Connexx	6	6	6	4	4
HD Spatial	For hearing aids with binaural directional processing, HD Spatial enhances cues which contribute to the wearer's sense of direction and depth in all environments - from quiet to very noisy. Requires Ultra HD e2e and directional microphones.	✓	✓	✓	–	–
Extended dynamic range	24 bit processing for enhanced digital encoding of soft and loud sounds.	✓	✓	✓	✓	✓
Extended bandwith	12 kHz processing bandwidth.	✓	–	–	–	–
EchoShield	Dedicated program for reverberant environments.	✓	–	–	–	–
HD Music	Preset programs for enhanced enjoyment of non-streamed music.	3	1	–	–	–
eWindScreen binaural	Binaural processing of the audio signal delivers superb performance in windy environments. Requires Ultra HD e2e.	✓ Auto in Universal prog	✓	–	–	–
eWindScreen™	Suppresses general wind noise and improves wearing comfort.	✓	✓	✓	✓	–

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Noise Management						
> Speech and noise management	Adjustment steps.	7	5	3	3	1
> SoundSmoothing™	Adjustment steps.	3	3	1	1	-
> Directional speech enhancement	Adjustment steps.	3	1	-	-	-
Feedback cancellation	High speed monitoring and control of feedback in individual processing channels.	✓	✓	✓	✓	✓
Speech Quality	Speech Quality delivers improved understanding of other people's voices in noise by using an exclusive technology called Ultra HD e2e. Features which utilize Ultra HD e2e include Narrow Directionality, Spatial SpeechFocus™ and TwinPhone.	●●●●●	●●●●	●●●	●●	●●
Directionality						
>Automatic Directionality	Improves the signal to noise ratio in noisy environments by automatically and seamlessly applying directionality in individual processing channels.	✓	✓	✓	✓	✓
>Adaptive Directionality	Improves the signal to noise ratio in complex environments by reducing dominant noise sources from the back and sides. The polar plot is adjusted continuously in multiple frequency channels.	✓	✓	✓	✓	✓
>Narrow directionality	Narrow Directionality uses binaural processing of the audio signal to deliver scientifically proven speech understanding in noise. Together with HD Spatial, the wearer will experience an improved signal to noise ratio and a natural sound experience. Available for bilateral fittings with directional microphones and Ultra HD e2e.	✓	✓	✓	-	-
>Spatial SpeechFocus	Depending on the direction of the dominant speech source, Spatial SpeechFocus steers the directional beam to the left, right, or behind the wearer. Available for bilateral fittings with directional microphones and Ultra HD e2e.	✓ Auto in Universal prog	✓	-	-	-
>SpeechFocus	Depending on the direction of the dominant speech source, Speech Focus steers the directional beam behind the wearer, or engages a surround-sound mode for speech from either side. Available for fittings with directional microphones.	✓	✓	-	-	-
>binaural OneMic directionality	Provides the benefits of directionality for hearing aids which have only one microphone. Using Ultra HD e2e, the left and right microphones are connected to allow directional processing. Available for Silk and single microphone custom devices.	✓	✓	✓	-	-
TwinPhone	Available for bilateral fittings with Ultra HD e2e.	✓	✓	✓	-	-

Feature	Description					
Wireless CROS/BiCROS	Requires CROS accessories: CROS Pure 312 Nx or CROS Pure Charge & Go for Bluetooth enabled fittings CROS Silk Nx for fittings without Bluetooth* *except Styletto Connect, Styletto and Pure 10 Nx	✓	✓	✓	–	–
Frequency compression	Improves the detection of speech sounds for wearers with reduced high frequency hearing thresholds. Frequency compression is selectively activated based on audiological criteria.	✓	✓	✓	✓	✓
Direct Streaming	Signia Nx hearing aids can be connected directly to Apple devices for phone calls and audio streaming – without additional accessories. For Android devices the StreamLine Mic accessory makes streaming easy. The StreamLine TV accessory sends high quality stereo sound from the wearer's TV directly to the Nx hearing aids. Available for Bluetooth enabled fittings.	● ● ● ● ●	● ● ● ● ●	● ● ● ● ●	● ● ● ● ●	● ● ● ● ●
Made for iPhone	Direct audio streaming from compatible iOS devices to Bluetooth enabled Nx hearing aids.	✓	✓	✓	✓	✓
StreamLine TV accessory	Stream high quality stereo sound directly from a TV to Bluetooth equipped Nx hearing aids.	✓	✓	✓	✓	✓
StreamLine Mic accessory	Stream high quality stereo sound directly from any Bluetooth device (Android devices, older Apple devices, other smartphones, PCs, laptops, etc.) to Bluetooth equipped Nx hearing aids.	✓	✓	✓	✓	✓
Personalization	Technically inclined wearers often appreciate having extra control over their hearing aids. Signia Nx hearing aids offer these wearers a comprehensive range of adjustment options via Signias remote control Apps.	● ● ● ● ●	● ● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●
myControl app (iOS and Android)	Available for Bluetooth enabled devices.					
> Spatial Configurator	Provides the wearer with 360° control over the level of directional assistance in noise and the direction of the directional beam.	✓	✓	–	–	–
> Voice Activity	Shows how the wearer's expressive communication has developed over time.	✓	✓	✓	✓	✓
> Adaptive Streaming Volume	Intelligent adaptation of the streaming volume based on the ambient noise level. Available on iOS, only.	✓	✓	✓	✓	✓
touchControl app (iOS and Android)	An easy to use remote control app for basic adjustments. Available for devices without Bluetooth.	✓	✓	✓	✓	✓
Tinnitus	A choice of tinnitus treatments based on amplified notch therapy or traditional noiser based therapy. It is even possible to combine the two approaches.	✓	✓	✓	✓	–
Notched Noise Therapy	Innovative tinnitus therapy delivered via everyday amplification.	✓	✓	✓	–	–

Feature	Description					
Tinnitus noiser	Shaped steady-state or modulated noise.	✓	✓	✓	✓	–
Fitting	Connexx fitting software offers a number of advanced tools to suit every Hearing Care Professional's workflow.	✓	✓	✓	✓	✓
Smart Optimizer and Data Logging	Smart Optimizer (found under Data Logging) provides tailored fine-tuning recommendations based on an analysis of the wearer's usage of the hearing aid.	✓	✓	✓	✓	✓
Acclimatization manager	Allows the wearer to benefit from enhanced audibility in the longer term, while enjoying optimal device acceptance when initially fitted.	✓	✓	✓	✓	✓
Performance Guide	Provides a customized recommendation based on the wearer's needs and wearing environments. Most useful when combined with sDemo hearing aids.	✓	✓	✓	✓	✓
InSituGram	Allows quick and convenient screening audiograms and checking of thresholds while the hearing aids are worn.	✓	✓	✓	✓	✓
Learning	Number of learning situations.	6	3	1	–	–
TeleCare	TeleCare provides remote services including additional tools to follow-up the patients within the whole journey, beginning with pre-appointment and even continuing after purchase. It contributes to a more successful trial phase and ensures higher flexibility. In addition, the user engagement and autonomy during this whole journey will be increased via the app.	✓	✓	✓	✓	✓
Remote Services	TeleCare Dashboard, Remote Fine Tuning, CareChat (incl. text messages, phone calls and video calls), virtual follow-up	✓	✓	✓	✓	✓
User App	Hearing Lessons, Daily Satisfaction Ratings, Tutorials, FAQs, Remote Control	✓	✓	✓	✓	✓