

# Signia Nx Hearing Aids - Feature Overview



## Nx platform features

Features	Information	Performance Levels		
Audiology		7Nx	5Nx	3Nx
<b>OVP™ (Own Voice Processing)</b>	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.	●●●●●	●●●●●	●●●●●
<b>3D Classifier</b>	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 devices.	●●●●●	●●●●	●●●
<b>Sound Clarity</b>	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.	●●●●●	●●●●	●●●
<b>Signal processing / Gain &amp; MPO</b>	Channels/handles in Connexx	48/20	32/16	24/12
<b>Hearing Programs</b>	Number of programs configurable in Connexx	6	6	6
<b>HD Spatial</b>	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 TwinMic.	✓	✓	✓
<b>Extended dynamic range</b>	113 dB SPL input dynamic range for clear sound reproduction in noisy environments.	✓	✓	✓
<b>Extended bandwidth</b>	12 kHz processing bandwidth.	✓	-	-
<b>EchoShield</b>	Dedicated program for reverberant environments.	✓	-	-
<b>HD Music</b>	Preset programs.	3	1	-
<b>eWindScreen binaural</b>	Binaural processing of the audio signal (using Ultra HD e2e) delivers superb performance in asymmetrical wind environments.	✓	✓	
<b>eWindScreen™</b>	Suppresses general wind-noise and improves wearing comfort.	✓	✓	✓
<b>Noise Management</b>				
<b>&gt; Speech and noise management</b>	Adjustment steps.	7	5	3
<b>&gt; SoundSmoothing™</b>	Adjustment steps.	3	3	1
<b>&gt; Directional speech enhancement</b>	Adjustment steps.	3	1	-
<b>Feedback cancellation</b>	High-speed monitoring and control of feedback risk in individual processing channels.	✓	✓	✓
<b>Speech Quality</b>	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.	●●●●●	●●●●	●●●
<b>Directionality</b>				
<b>&gt;Narrow directionality</b>	Narrow Directionality uses binaural processing of the audio signal to deliver scientifically proven speech understanding benefits in noise¹. Coupled with HD Spatial, the wearer will experience improved signal to noise ratio and a transparent and natural sound experience. Available only for bilateral fittings with Ultra HD e2e.	✓	✓	✓
<b>&gt;Spatial SpeechFocus</b>	Available for bilateral fittings with Ultra HD e2e. * in Stroll Program or with Spatial Configurator	✓	✓	-
<b>&gt;SpeechFocus</b>	Available for RIC and BTE devices	✓	✓	-
<b>&gt;binaural OneMic directionality</b>	Available for Silk and single microphone CIC/IIC devices	✓	✓	✓
<b>TwinPhone</b>	Available for bilateral fittings with Ultra HD e2e.	✓	✓	✓
<b>Wireless CROS/BiCROS</b>	Requires CROS Pure or CROS Silk accessory.	✓	✓	✓
<b>Frequency compression</b>	Improves the detection of speech sounds for wearers with reduced high frequency hearing thresholds. Frequency compression is selectively activated based on audiological criteria.	✓	✓	✓

## Connectivity

Direct Streaming	Signia Nx hearing aids can be connected directly to Apple devices for phone calls and audio streaming – without additional accessories. With the StreamLine Mic accessory, direct streaming is possible also from Android devices and other Bluetooth mobile devices. With the StreamLine TV accessory, high-quality stereo sound can be streamed directly to Nx hearing aids. Available for Bluetooth-equipped devices.	*****	*****	*****
Made for iPhone	Direct audio streaming from iOS mobile devices with "made-for-iPhone" standard to Bluetooth-equipped 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.	✓	✓	✓
You Adjust	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 the myControl App or touchControl App.	*****	*****	*****
myControl app (iOS and Android)	Available for Bluetooth-equipped 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	Signia offer 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.	✓	✓	✓
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 demo devices.	✓	✓	✓
Insitugram	Allows quick and convenient threshold checks and screening audiograms, while the hearing aid is being worn.	✓	✓	✓
Learning	Number of learning situations.	6	3	1

## Remote hearing care

TeleCare 3.0	TeleCare provides a structured communication approach for Hearing Care Professionals and their clients, which is especially important during the initial stages of a fitting. In addition, TeleCare provides full live remote tuning to assist with rapid and effective troubleshooting. Available for Bluetooth-equipped devices.	*****	*****	*****
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\*\*\*\*\* = highest feature performance