Starkey Sound™

Sound Manager

Sound Manager features are technology-tier and style dependent. Higher levels of technology provide more options and assistance for the patient. Default values are research driven based on patient performance and preference. Sound Manager allows for adjustments to Sound Enhancement, Situational Sound Management and Directionality on a per-memory basis.

Sound Enhancement

Speech in Loud Noise (Spatial Speech Enhancement)
Binaural noise management feature designed to specifically reduce dynamic background noise (e.g. speech babble) providing better clarity through selective identification and enhancement of speech while preserving spatial cues.

- This feature will now default ON for only the Restaurant and Crowd memories

Evolv AI			
2400	2000	1600	1200
●	●	●	

*Available on RIC R, RIC 312 and BTE 13

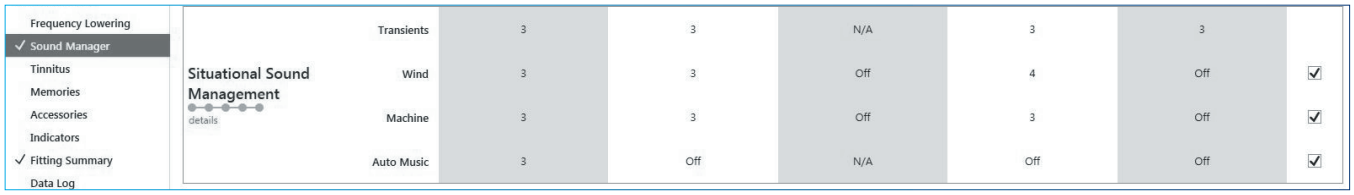
Speech in Noise
Fast-acting noise management and speech preservation system designed to provide comfort in speech in noise situations and reduced listening effort.

Evolv AI			
2400	2000	1600	1200
5 settings	3 settings	2 settings	2 settings
Up to 22dB	Up to 10dB	Up to 8dB	Up to 8dB

Quiet
Expansion algorithm designed to provide comfort for low-level noise.

Evolv AI			
2400	2000	1600	1200
5 settings	3 settings	2 settings	2 settings

Situational Sound Management



Transients

Transient Noise Reduction is a fast-acting noise reduction algorithm designed to quickly attenuate transient acoustic signals without distorting other important environmental or speech sounds.

Evolv AI			
2400	2000	1600	1200
5 settings	3 settings	2 settings	2 settings
Up to 15dB	Up to 9dB	Up to 6dB	Up to 6dB

Wind

Noise reduction algorithm designed to provide comfort for wind noise when turbulence is detected over the microphones.

Evolv AI			
2400	2000	1600	1200
5 settings	3 settings	2 settings	2 settings
Up to 32dB	Up to 17dB	Up to 9dB	Up to 9dB

Machine

Noise reduction algorithm designed to provide comfort for loud, steady state noise.

Evolv AI			
2400	2000	1600	1200
5 settings	3 settings	2 settings	2 settings
Up to 22dB	Up to 12dB	Up to 7dB	Up to 7dB

Auto Music

Hearing aids will automatically adjust their settings to provide an optimal music listening experience when music is detected in the environment. Auto Music defaults ON in Normal, Streaming, Stream Boost, and Auditorium memories. It can be manually enabled in other memories (except for the dedicated Music memory).

NOTE: Use of the Music memory is recommended for dedicated music listening.

Evolv AI			
2400	2000	1600	1200
5 settings	3 settings	2 settings	

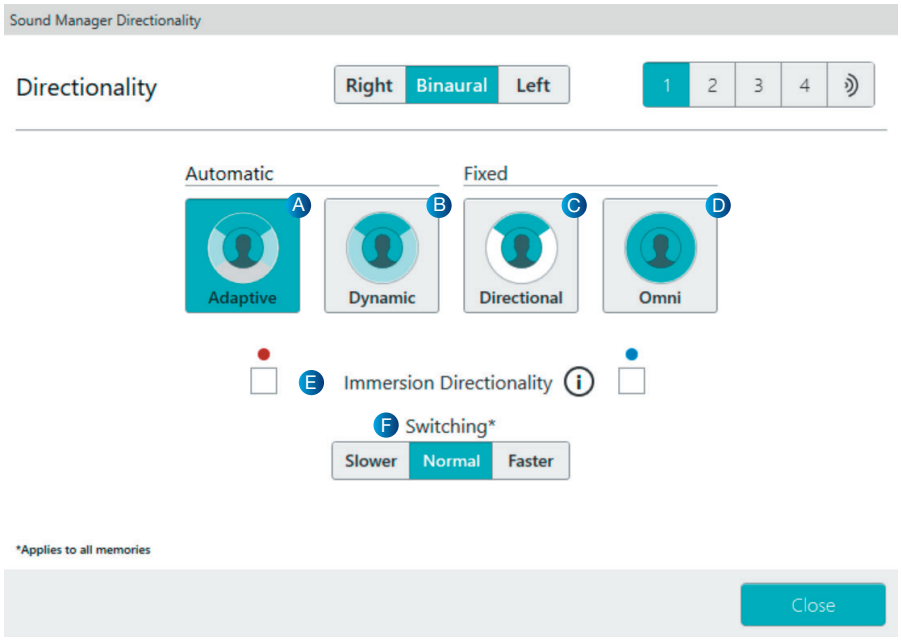
Music Memory

Reference the Music Memory QuickTIP for additional information.

Evolv AI			
2400	2000	1600	1200
●	●	●	

Directionality

The optimal microphone mode will be determined as a function of the chosen memory environment. It is recommended to leave the directionality mode at the default settings in most situations. Professional flexibility is provided for adjusting the microphone mode and settings, as necessary.



- **A Adaptive** Automatic, adaptive null steering with Speech ID to protect speech at all angles around the listener
- **B Dynamic** Automatic switching between omnidirectional and fixed directional modes based on the environment
- **C Directional** Fixed directional; amplifies sound from in front of the listener more than from behind via a hypercardioid polar plot
- **D Omni** Fixed response; amplifies sound from all directions equally
- **E Immersion Directionality** Defaults OFF in all modes. Select the check box to activate this high frequency directional filter
- **F Switching** Defaults to Normal in all modes. Select Slower or Faster to decrease or increase the speed of directional switching

Directional Features by Technology Level

	Evolv AI			
	2400	2000	1600	1200
Adaptive	●	●	●	●
Dynamic	●	●	●	●
Directional	●	●	●	●
Omni	●	●	●	●
Immersion	●	●	●	●
Switching	●			

Edge Mode

Edge Mode is an on-demand feature of our Evolve AI hearing aids that uses on-board AI to enable instant, optimised noise management and speech audibility adjustments when patients are in challenging listening environments — like situations with extreme background noise or when talking to people wearing face masks. Once activated, Edge Mode instantly conducts an AI-based analysis of the current listening environment and adjusts gain, noise management and directionality. These smart, immediate adjustments temporarily optimise listening clarity and comfort in those challenging environments.

Edge Mode is available in the 2400, 2000 and 1600 technology tiers

Evolv AI			
2400	2000	1600	1200
●	●	●	

Edge Mode Button

Products with Edge Mode now have a button in Thrive to engage it. The button will appear on the home screen by default.

Patients wearing Evolv AI 2400 devices can additionally activate Edge Mode with either a double tap of the ear or a short press of their user control.

Evolv AI			
2400	2000	1600	1200
On-board & Thrive app accessibility	Thrive app accessibility	Thrive app accessibility	

* On-board controls – Short Press or Double Tap.