Automatic sound optimisation anywhere the day leads
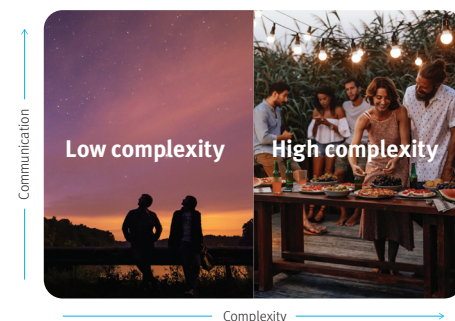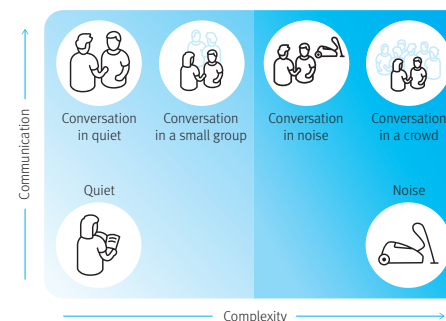
Listening needs and goals can vary greatly depending on the complexity of the surrounding environment. Blu offers multiple technology levels to suit individual lifestyles and budgets.

Low complexity **High complexity**
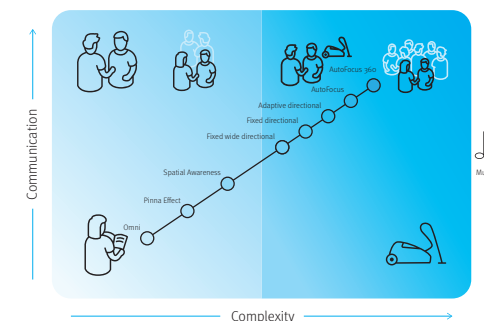
Communication / Complexity

Nobody knows what each day will bring. One moment we might be engaged in a quiet one-on-one chat with a friend, and the next moment might find us in a challenging environment consisting of multiple conversations and background noise. Blu optimises performance for all kinds of soundscapes in both high and low complexity listening environments.

Benefit: Flexible hearing aids that automatically adapt to the listening environment

Conversation in quiet — Conversation in a small group — Conversation in noise — Conversation in a crowd

Quiet — Noise

Communication / Complexity / Music

Integra OS, the engine that operates the hearing aids, classifies sounds into a range of seven key listening environments – from very quiet to complex situations, with and without speech. It automatically optimises the listening experience, blending environments into a unique combination appropriate for each situation.

Benefit: Peace of mind knowing that the hearing aid automatically activates the right features, at the right strength, in the right combination

AutoFocus 360 / AutoFocus / Adaptive directional / Fixed directional / Fixed wide directional / Spatial Awareness / Pinna Effect / Omni
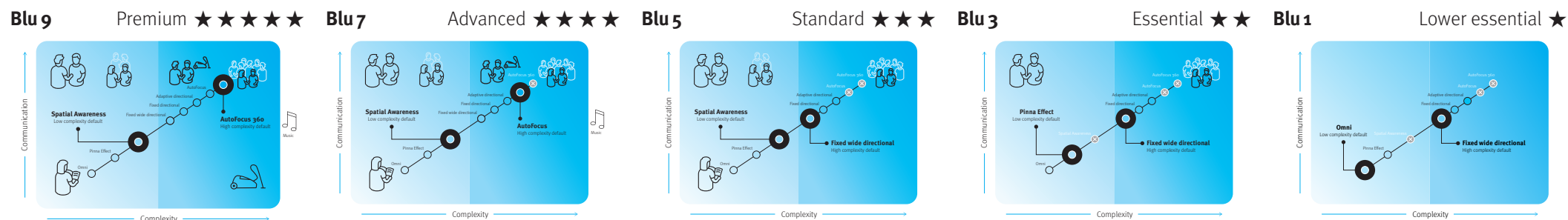
Communication / Complexity / Music

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Find the right fit with Blu technology levels

Blu hearing aids come with different technology levels from Essential to Premium. Below you can see the default and available microphone modes for Low and High complexity situations as well as the automatic program environments.

Blu 9 — Premium ★ ★ ★ ★ ★

Spatial Awareness Low complexity default / AutoFocus / Adaptive directional / Fixed directional / Fixed wide directional / AutoFocus 360 High complexity default / Pinna Effect / Omni

Communication / Complexity / Music

Premium performance in 7 environments, including music

The most sophisticated features for both high and low complexity environments:

High complexity – Our best technology for targeting speech in crowds and background noise by identifying where speech is coming from and focusing accordingly in any direction (AutoFocus 360)

Low complexity – Binaural microphone mode designed to accurately preserve important spatial cues typically lost with hearing aids (Spatial Awareness)

Blu 7 — Advanced ★ ★ ★ ★

Spatial Awareness Low complexity default / Adaptive directional / Fixed directional / Fixed wide directional / AutoFocus 360 / AutoFocus High complexity default / Pinna Effect / Omni

Communication / Complexity

Advanced performance in 6 environments, including music

High complexity – Designed to target speech in crowds and background noise by identifying speech that originates from the front and sides (AutoFocus)

Low complexity – Binaural microphone mode designed to accurately preserve important spatial cues typically lost with hearing aids (Spatial Awareness)

Blu 5 — Standard ★ ★ ★

Spatial Awareness Low complexity default / Adaptive directional / Fixed directional / AutoFocus 360 / AutoFocus / Fixed wide directional High complexity default / Pinna Effect / Omni

Communication / Complexity

Standard performance in 4 environments

High complexity – Helps with enhancing speech in crowds by focusing on speech from the front (fixed wide directional)

Low complexity – Binaural microphone mode designed to accurately preserve important spatial cues typically lost with hearing aids (Spatial Awareness)

Blu 3 — Essential ★ ★

Pinna Effect Low complexity default / Adaptive directional / Fixed directional / AutoFocus 360 / AutoFocus / Fixed wide directional High complexity default / Omni

Communication / Complexity

Essential performance in 2 environments with limited ability for automatic adjustments

High complexity – Helps with enhancing speech in crowds by focusing on speech from the front (fixed wide directional)

Low complexity – Minimises the impact of acoustic cues typically lost with hearing instruments. (Pinna Effect)

Blu 1 — Lower essential ★

Omni Low complexity default / Adaptive directional / Fixed directional / AutoFocus 360 / AutoFocus / Fixed wide directional High complexity default / Pinna Effect

Communication / Complexity

Basic performance within a manual program(s) without automatic optimisation of listening environments.

High complexity – Helps to enhance speech by focusing on speech from the front (fixed wide directional)
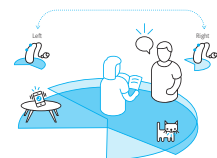
Low complexity – Generalised microphone mode without features to offset acoustic cues typically lost with hearing instruments (Omni)

Sound performance by technology level

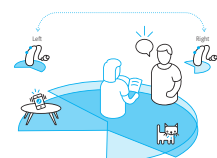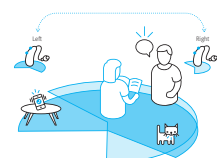|	Low complexity	High complexity

Blu 9
Premium
★★★★★

Spatial Awareness
Binaural microphone mode designed to accurately preserve important spatial cues typically lost with hearing aids.

Speech from front
AutoFocus 360 identifies and focuses on speech from the front to provide a greater increase of speech than other technology levels. Dynamic noise reduction is active and adjustable to further reduce surrounding noise.

Speech from side   **Speech from back**
AutoFocus 360 can identify and focus on speech from any direction while reducing interfering noise.

Blu 7
Advanced
★★★★★

Spatial Awareness
Binaural microphone mode designed to accurately preserve important spatial cues typically lost with hearing aids.

Speech from front
AutoFocus identifies, focuses on and increases speech from the front. Dynamic noise reduction is active and adjustable to further reduce surrounding noise.

Speech from side and back
AutoFocus applies a wide front beam to capture speech from the front and partially from the sides.

Blu 5
Standard
★★★

Spatial Awareness
Binaural microphone mode designed to accurately preserve important spatial cues typically lost with hearing aids.

All high complexity situations
Applies a wide front beam capturing the speech from the front.

Blu 3
Essential
★★

Pinna Effect
Minimises the impact of acoustic cues typically lost with hearing instruments.

All high complexity situations
Applies a wide front beam capturing the speech from the front.

Blu 1
Lower essential
★

Omni
Generalised microphone mode without features to offset acoustic cues typically lost with hearing instruments.

Higher complexity situations
AutoMic engages a wide front beam for speech from the front, however listening environments are not applied for automatic optimisation.

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