



Multiflex Tinnitus Pro

Personalized tinnitus management



Multiflex Tinnitus Pro is a tinnitus management tool that facilitates the adaptation of tinnitus maskers for sound therapy. It introduces a new audiogram-shaping algorithm and custom-fit tool. These facilitate the creation of personalized tinnitus maskers, adapted to an individual's hearing loss and tinnitus.

These two new masker-fitting solutions are available in addition to Starkey's legacy "white noise" feature and the multi-band Multiflex Tinnitus technology.

They provide hearing professionals with the ability to quickly and automatically generate personalized tinnitus stimuli for use in tinnitus management, while still offering the flexibility to modify the resulting stimuli.

Why patients will want it

Tinnitus patients vary and prefer different types of tinnitus maskers. Multiflex Tinnitus Pro technology facilitates the fitting of personalized tinnitus maskers making it easier to explore various options for acoustic therapy.

Who will benefit

Multiflex Tinnitus Pro technology can be used to provide personalized tinnitus stimuli for patients with bothersome tinnitus who are candidates for acoustic therapy.

How it works

The new audiogram-shaped masker is tailored based on the patient's audiometric profile; the masker spectrum "tracks" the audiogram in an attempt to make audibility of all frequency bands approximately equal.

The new custom masker stimulus is generated using evidence-based psychoacoustic measurements that are easily collected using the guided Stimulus Personalization tool in the Inspire X fitting software.

Where to find it

Multiflex Tinnitus Pro is available in our Evolv AI 2400 technology.

Evolv AI			
2400	2000	1600	1200
✓			

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How it helps you

Problem — Tinnitus patients can differ along multiple dimensions, including their audiogram, the maskability of their tinnitus across frequency, and their subjective sound preferences. Therefore, adapting tinnitus maskers can be challenging.

Solution

- Multiflex Tinnitus Pro is a research-based approach to improving the efficiency of tinnitus stimuli.
- Added features to existing Multiflex Tinnitus Technology tool provide additional options for generating highly personalized tinnitus stimuli.
- Facilitates the collection of psychoacoustic measurements with detailed instructions and an intuitive interface.
- Offers flexible tinnitus stimuli that can be implemented in a range of tinnitus management programs, including Tinnitus Retraining Therapy (TRT) and Progressive Tinnitus Management (PTM).

Setup



Professionals — [Download this QuickTIP](#) to see how to enable Multiflex Tinnitus Pro in Inspire X.



Patients — [Learn more](#) about tinnitus technology.

To learn more

- Visit [StarkeyPro.com/Evolv-AI](https://starkeypro.com/Evolv-AI)
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- Contact your Starkey representative today

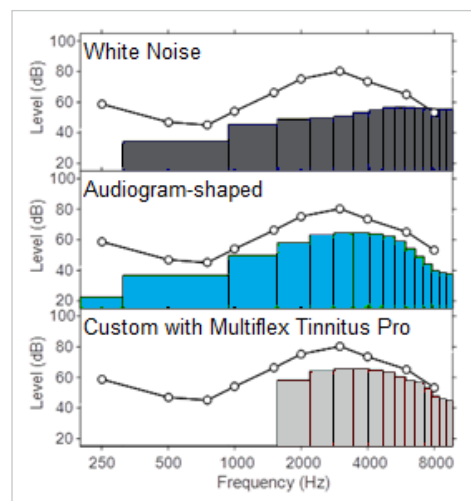


Figure 1: Example of white-noise, audiogram-shaped and custom-masker spectra, in relation to hearing thresholds.

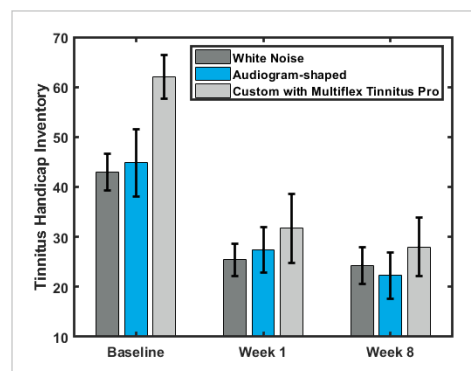


Figure 2: Tinnitus Handicap Inventory (THI) scores measured before, during, and after an 8-week field trial, with participants categorized based on their most used masker.

REFERENCES

- 1 Reinhart, P. & Michey, C. [2020]. *Introducing Multiflex Tinnitus Pro*. Starkey Pro. https://starkeypro.com/pdfs/technical-papers/Introducing_Multiflex_Tinnitus_Pro.pdf
- 2 Reinhart, P. & Michey, C. [2020]. *Multiflex Tinnitus Pro: New Tools to Help Hearing Professionals Fit Tinnitus Maskers*. Starkey Pro. https://starkeypro.com/pdfs/technical-papers/Multiflex_Tinnitus_Pro_New_Tools_to_Help_Hearing_Professionals_Fit_Tinnitus_Maskers.pdf

