

**QUICKTIP**

# Multiflex Tinnitus Pro: Fitting Protocol

Multiflex Tinnitus Pro provides the next generation of tinnitus sound therapy for select 2.4 GHz hearing aids by allowing hearing professionals to customize sound stimuli to help manage each patient's unique tinnitus.

## Enabling The Multiflex Tinnitus Stimulus

- 1 Program the hearing aids for optimal audibility, comfort and sound quality.
- 2 Navigate to **Tinnitus** in the fitting software.
- 3 Select the desired program/memory to enable a tinnitus stimulus.

**NOTE:** *The tinnitus stimulus is not supported in phone, coil, loop, or streaming programs/memories.*

- 4 The Multiflex Tinnitus stimulus defaults **OFF**. Use the dropdown menu to select the stimulus shape:
  - **Audiogram-shaped:** Automatic shaping of the Multiflex Tinnitus stimulus based on the hearing loss.
  - **White Noise:** Comprised of equal energy distribution across frequencies.
  - **Custom:** Personalized shaping of the Multiflex Tinnitus stimulus through the Multiflex Tinnitus Pro tool.
  - **Pink Noise:** Comprised of less high frequency energy than white noise (e.g., wind or a light rain).
  - **Red Noise:** Comprised of less high frequency energy than pink noise (e.g., thunder or waterfalls).
  - **Blue Noise:** Comprised of less low frequency energy than white noise (e.g., a computer fan).
  - **Purple Noise:** Comprised of less low frequency energy than blue noise (e.g., a sizzle or a hiss).
  - **Ocean Noise:** Mimics the sound of the ocean.

- 5 Click on the Tilt arrows (◀ ▶) to shape the tinnitus stimulus frequency response further.\*\*

**NOTE:** *Clicking on the right arrow increases high frequency output, while clicking on the left arrow increases low frequency output.*

## Creating a Custom Tinnitus Stimulus

- 1a Within **Pro Fit**, click on **Custom** within the dropdown menu to launch the Multiflex Tinnitus Pro tool.
- 1b Within **Inspire**, click on **Stimulus Personalization** to launch the Multiflex Tinnitus Pro tool.
- 2 Complete the Minimum Detection Level (MDL) Test to identify the softest detectable level of the Multiflex Tinnitus stimulus:
  - a. Click on the **Stimulus** button to turn it **ON**.
  - b. The hearing aid microphones will automatically mute when the stimulus is **ON**. Pause the stimulus or click the speaker icon to unmute the hearing aids to talk to the user during testing (e.g., to provide directions or to answer questions).
  - c. Use the up and down arrows to increase or decrease the level of the stimulus in the frequency group displayed to identify when the stimulus is just detectable.

## Creating a Custom Tinnitus Stimulus (Continued)

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d. Use the right and left arrows to make measurements in the three frequency groups provided:

**Low:** 150 Hz to 1.3 kHz, **Mid:** 1.9 kHz to 3.1 kHz and **High:** 3.8 kHz to 9.4 kHz

**NOTE:** *If testing is canceled, all measurements will be lost.*

e. Once MDLs are measured for all three frequency groups, select **Next** to advance to the next test.

**3** Complete the Minimum Masking Level (MML) Test to identify the softest level of the Multiflex Tinnitus stimulus required to just detect or mask the tinnitus depending on the approach of choice:

a. The display and controls are the same for this test.

b. Increase the stimulus level to determine the softest stimulus level required to just detect or mask the tinnitus for each of the three frequency groups.

**NOTE:** *If testing is canceled at any time, all measurements will be lost.*

c. If the Minimum Masking Level is not identified before the maximum stimulus level is reached, a pop-up will prompt selection of **Could Not Test** with directions to move to the next frequency grouping.

d. Once testing for each frequency group is complete, select **Apply** to end the test and apply the custom shape to the tinnitus signal.

## Good to Know

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- Only one Custom stimulus may be created for each patient.
- Different tinnitus stimuli may be used in different program/memory environments and may be set for each ear independently.
- Use the **Copy Tinnitus** button to copy any of the Multiflex Tinnitus stimulus options to another program/memory environment.
- All stimuli may be modified (frequency shaping, intensity and modulation) on the Tinnitus screen in both Pro Fit and Inspire X.
- Target Match Tinnitus will reset the stimulus in the active program/memory back to baseline.
- The hearing aid mobile app may be used to adjust tinnitus stimulus volume and speed (modulation) in any program/memory with an active tinnitus stimulus.