

Tobi Ferrence, M.S. Professional Trainer

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### Learning Outcomes

After this course, participants will be able to describe the end user benefits of using the tinnitus features offered by Beltone.

After this course, participants will be able to list the features available within the Tinnitus Calmer App.

After this course, participants will be able to navigate through the Beltone Tinnitus Calmer App and the Tinnitus Breaker Pro feature within the Beltone Solus Max software with specific detail.

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### Tinnitus Breaker Pro: Overview



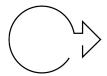
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Background Knowledge

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### Tinnitus: Background Knowledge



- Tinnitus is the perception of sound, even where there is no actual external sound present.
- Often heard as ringing, buzzing or humming, but can manifest in many ways
- Approximately 90% of people with hearing loss also have tinnitus
- Can be debilitat
- Affecte mental

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### Sound Therapy

Tinnitus perception and degree of irritation are not necessarily correlated.

### Perceived Volume



Reaction to Tinnitus

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e non-bothersome, bothersome, or			
e non-bothersome, bothersome, or ting	·		
d by many factors, including stress, health & fatigue			
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MINI	•		

### Sound Therapy

- · Can cause anxiety and depression
  - Can lead to secondary problems
- Treating bothersome tinnitus is most successful when focused on managing reaction to tinnitus
- Hearing healthcare professionals (HCPs) need to play a key role in tinnitus management
- Have a good understanding of all sound therapy tools available



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### Tinnitus: Background Knowledge

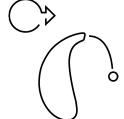
- Audiogram should always be performed, and acoustic reflex testing and otoacoustic emissions where available
- Tinnitus can sometimes require further medical investigation
- Unilateral or pulsating tinnitus should be investigated by an Ear, Nose & Throat Specialist or a Neurologist.



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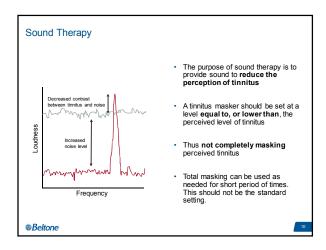
### Sound Therapy

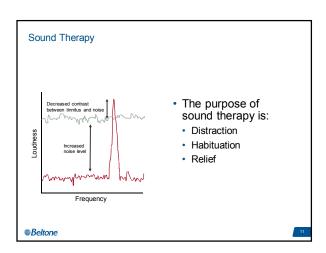


- Several different mechanisms for tinnitus
- For many, hearing aids can be a valuable component of tinnitus management
- Sometimes hearing aids are enough
- In other cases, a tinnitus sound generator or sound therapy app can be of assistance

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### Beltone Tinnitus Calmer App

- App that provides sound therapy, engaging exercises, and education to assist in tinnitus management
  - · 4 Categories
- Interactive, multisensory and customizable
- Available on Android and Apple phones
- · Free to download
- Supported by recognized associations





### Beltone Tinnitus Calmer App



- Direct to hearing aid streaming capabilities via
   MFi, compatible Android or PhoneLink 2
- Or over standard earbuds or Bluetooth-paired devices
- The app provides the user with personalized control over their tinnitus management





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App Store

App Store

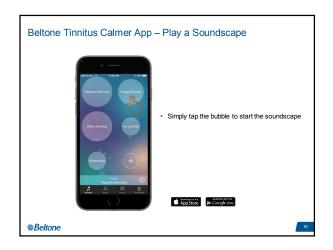
### Beltone Tinnitus Calmer App

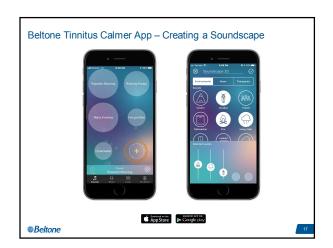


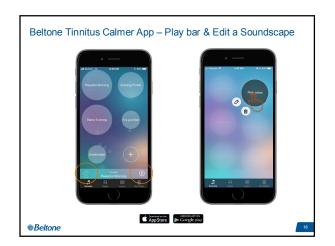
- Direct to hearing aid streaming capabilities via MFi, compatible Android or PhoneLink 2
- Or over standard earbuds or Bluetooth-paired devices
- The app provides the user with personalized control over their tinnitus management
- App is user friendly easy access to a variety of features
- Contains important information about tinnitus and sound therapy, including additional professional references



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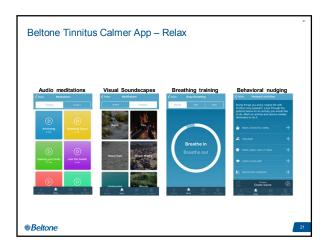


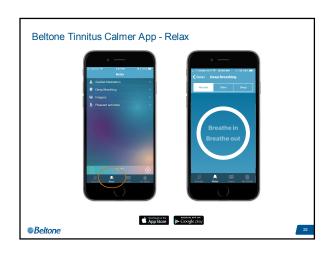




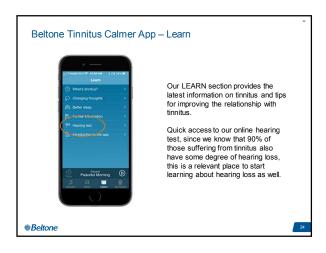


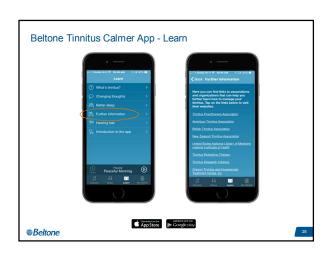






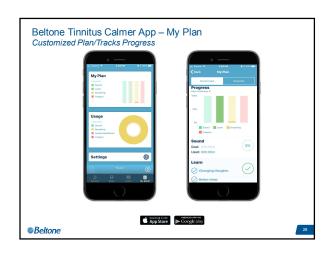




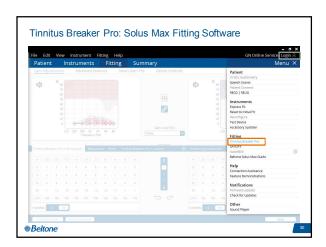


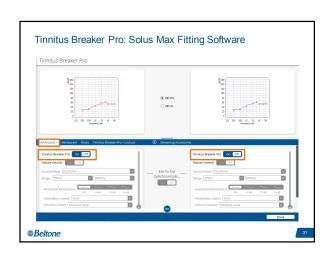


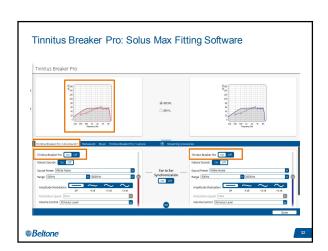


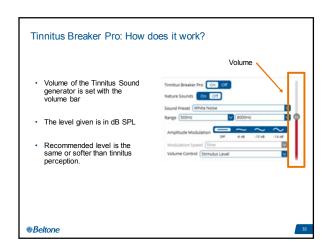


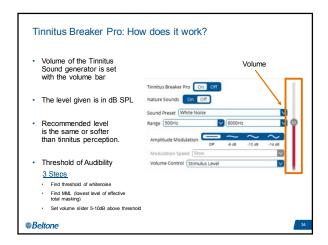


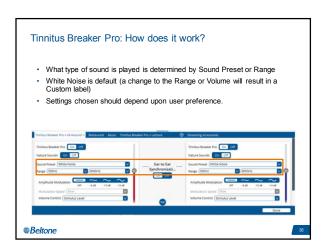


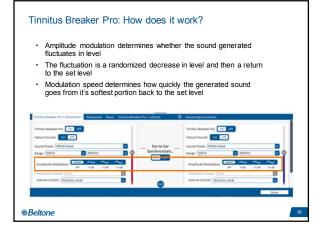












### Tinnitus Breaker Pro: How does it work? • Ear to ear synchronization is applicable to amplitude modulation • Synchronizes the modulation cycle between the two devices | Total brain | Total brain

### Tinnitus Breaker Pro: How does it work?

When set to Stimulus Level, the level of the TSG can only be manipulated using the HearMax app



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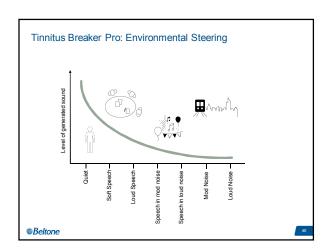
### Tinnitus Breaker Pro: How does it work?

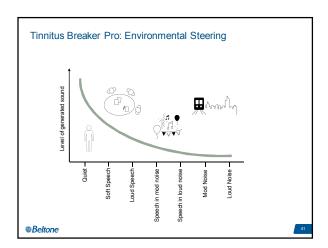
- Environmental steering changes the level of the TSG depending on the environment the hearing aid is in
- Environmental steering can be combined with Stimulus Level so that the Stimulus Level can be used to override environmental steering



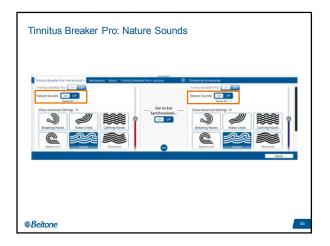
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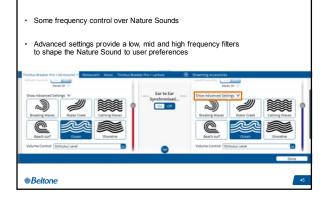


# Tinnitus Breaker Pro: How does it work? • If HI microphone is off, where the TSG is active, only the TSG will be played through the hearing aid (TSG Only program) • Auditory stimulation often key in minimizing tinnitus perception, so a combination program (HI + TSG) can be beneficial for some.



## Tinnitus Breaker Pro: How does it work? Models the ebb and flow of water-based sounds Each Nature Sound mimics its natural environmental modulation characteristics Must be the same option in both ears to appear in HearMax app | Trends Breaker flow + 6.4 Arranged + 1.0 Ar

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Tinnitus Breaker Pro: Advanced Settings



### Learning Outcomes

- End user benefit associated with the Tinnitus Calmer App and Tinnitus Breaker Pro
- Highlighted the features of the Beltone Tinnitus Calmer App and the Tinnitus Breaker Pro within the Beltone Solus Max fitting software
- Navigated through the Beltone Tinnitus Calmer App and Tinnitus Breaker Pro within the Beltone Solus Max fitting software
- Described appropriate volume level setting for Tinnitus Breaker Pro

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Ouestions?

