Phonak
Fast Facts

Feedback threshold overtuning

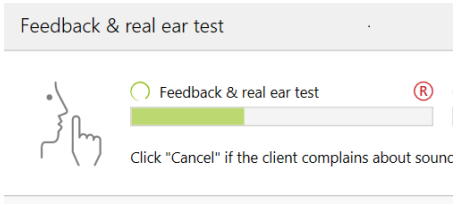
What is it?
Feedback threshold overtuning provides access to additional high frequency gain without having to run a feedback test. Traditionally this gain has been limited by the predicted feedback threshold.

It is highly recommended that a feedback measurement is completed as standard practice however, overtuning can be beneficial in the following situations:

- When a feedback measurement is not possible; or
- If access to additional high frequency gain is needed after running the measurement

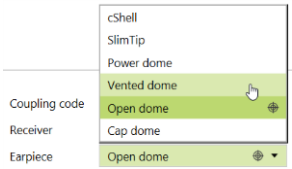
How to use it?

Step 1. Run a feedback measurement

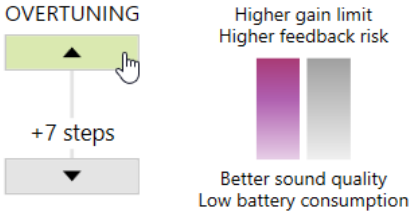


Step 2. Optimize acoustics and repeat measurement if needed based on feedback measurement

- Overtuning does not replace managing feedback with a more occluding earpiece



Step 3. Adjust overtuning in Feedback & real ear test if needed



Step 4. Check sound quality

Important notes for Step 3:

- Even though an additional 12 dB of gain is possible, it is recommended that overtuning is kept to 5 dB or less.
  - This is to manage feedback risk, sound quality and battery consumption
  - A warning will appear in Phonak Target when 5 dB is exceeded
- The number of overtuning steps available is dependent on the hearing loss and the acoustics parameters
- The number of overtuning steps does not indicate the additional gain in dB already applied