

CHANGING THE DEFAULT FEATURE SETTINGS IN WIDEX BABY440 FITTINGS USING COMPASS V5.1.

This bulletin describes how to change the default feature settings of WIDEX BABY440 using Compass V5.1. The descriptions refer to the default feature setting options in the Fine Tuning section. The default feature setting may be changed for the Microphone modes, the Speech and noise modes, and the Feedback cancelling modes. Please refer to Compass in order to see the details of the screen. Remember that Compass offers several help functions to explain the different options in the program: Tooltips, Solution guide, Using this window panels and the Help Manual.

The default feature settings may be changed individually for each of the listening programs in WIDEX BABY440. Such changes are easily made in the *Feature settings* panel in the *Fine tuning* section in Compass. In this panel you can change the mode in which the microphone works, the mode in which speech and noise is handled in the hearing aid and the mode in which acoustic feedback is handled in the hearing aid. The default settings in the Master program are marked with an asterisk.



The Feature settings panel in the Fine tuning window of Compass

Microphone modes

Microphone modes can be set to one of three settings: The default setting in the *Master program* is *Hd Locator with Speech Tracer*, where the hearing aid is in adaptive directional mode.

The other two options are *Hd Locator dir* (fixed directional characteristic) and *Hd Locator omni* (fixed omnidirectional characteristic).



The Microphone modes options

Speech and noise modes

Speech and noise modes can be set to one of six settings. The default setting in the *Master program* is *Speech Enhancer*, where the noise reduction is based on the Speech Intelligibility Index (SII) weighted algorithm that preserves speech at frequencies important for speech understanding.

You can also select:

Noise reduction, which optimises the signal-to-noise ratio individually in 15 bands.

Noise reduction minimal, which is supplemented by a less active system and therefore provide less noise reduction in noisy environments.

Noise reduction enhanced, which is a more active system that provides more noise reduction.

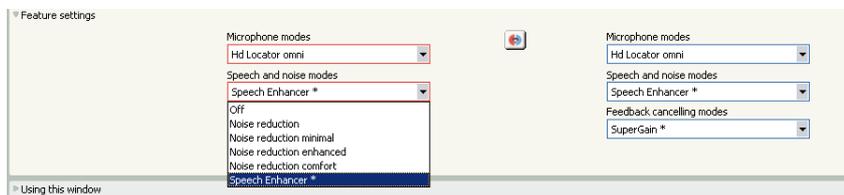
Noise reduction comfort, which is more active in the lower frequencies.

Finally you can choose to deactivate the *Speech and noise modes* altogether using the setting *Off*.



The Speech and noise modes options

Feedback cancelling modes



The Feedback cancelling modes options

The WIDEX BABY440 Multidirectional active feedback cancelling feature integrates knowledge of the acoustic properties of the hearing aid in the ear with directional sensitivity for each of the 15 frequency channels in BABY440. Its mode of operation can be set to one of four settings. The default setting of the *Feedback cancelling* in the Master program is **SuperGain**, meaning that the hearing aid gives as much gain as possible without the risk of whistling. You can use the drop-down list to change the setting to **SuperGain music**, especially designed for listening to music, or to **SuperGain max**, designed to give as much gain as possible, even if you risk that the hearing aid occasionally whistles. You also have the option to turn the feedback cancelling system **off** altogether, in which case an extra adjustment parameter will appear. This parameter allows you to adjust the static max gain limit across frequencies in case of whistling. Deactivating the Multidirectional active feedback cancelling feature is only recommended in fittings with considerable headroom in the maximum available gain without feedback. Otherwise recurring acoustic feedback may be a considerable problem for the child.