

THE PHONE PROGRAMS AVAILABLE WITH CLEAR440

CLEAR440 offers two programs for use with a telephone. This bulletin describes the Phone and Phone+ programs. The phone program is available in Compass V5.2, the Phone+ program in Compass V5.3. The Phone program can work with binaural and monaural fittings, while the Phone+ program is available with binaural fittings.

THE REASONING BEHIND THE PHONE AND PHONE+ PROGRAMS

The Phone and Phone+ programs rely on Widex' Phone template. The template is intended to provide the best frequency characteristic when listening to a speaker on the telephone.

Most phone systems are limited in frequency range. The Phone template is designed to compensate for this limitation using a special sound processing strategy. The aim is optimal audibility for the acoustic phone signal.

The Phone program

The Phone program is found under *Program manager* and is available as a normal program and a compound program.



The normal program is designed for those clients who are fitted monaurally or are fitted binaurally but do not have a preference for their left or right ear when listening to a telephone. Please note that for binaural fittings it is recommended that the client chooses either the left or right ear as their 'phone ear' and is fitted with a compound program.



The compound program implies that the client has the Phone program on one ear and the Master program on the other ear. This combination is designed to optimise speech intelligibility in the 'phone ear' and preserve natural amplification of the client's own voice through the other ear.

The Phone+ program

The Phone+ program is a SmartToggle program. You can select *one* SmartToggle listening program – either

the Zen+ or the Phone+ program since both options utilise the long key press.



Due to the WidexLink in CLEAR440, the signal from the transmitting hearing aid is sent to the receiving hearing aid. This means that the client receives the signal from the telephone in both ears. Simultaneously the receiving hearing aid turns off the microphone.

The signal-to-noise ratio is thereby increased and allows for optimal speech intelligibility.

The transmitting hearing aid is activated and deactivated with a long press on the hearing aid program button.

When you activate the program, you must press the program button on the hearing aid you want to use as your telephone ear. To deactivate the phone+ program you have to press the program button on the same hearing aid as you did when you activated the program.

Please note that the Phone+ program cannot be activated using the RC-DEX or the M-DEX since this will not define a transmission ear.

HOW TO FINE-TUNE THE PHONE AND PHONE+ PROGRAMS IN COMPASS

In the *Phone settings panel*, you can define an Overall gain offset if the overall loudness level of the program is too loud or too soft.

You are also able to select a setting emphasising either the client’s voice or the phone signal. If your client ex-

periences for instance that his own voice is too soft, choose ‘Own voice emphasised’ in the drop-down list.

Finally in the *Feature settings panel* you can see the settings of a number of features and change the Feed-back cancelling modes.



Phone and feature settings for the Phone program in the Fine tuning window, Compass V5.2. Each hearing aid is fine-tuned separately, indicated with two columns (red and blue).



Phone and feature settings for the Phone+ program in the Fine tuning window, Compass V5.3. Fine tuning is done for the transmitting hearing aid and will also affect the receiving hearing aid.

SELECTING THE RIGHT PHONE PROGRAM FOR MY CLIENT

 PHONE+	 PHONE
<ul style="list-style-type: none"> • Provides optimum intelligibility of a phone conversation by allowing both ears access to the signal. • Preferable when having a phone conversation in noisy surroundings. • Optimum solution for those clients who are fitted binaurally. • Phone+ is available in C4-9 and C4-FS in Compass V5.3 	<ul style="list-style-type: none"> • Gives the optimum reproduction of sound during a phone conversation. • Phone as a compound program is suitable for those clients who prefer a specific ‘phone ear’. • In a binaural fitting, preferably use a compound program. In a monaural fitting the Phone program can be chosen when phone situations cannot be handled with the unfitted ear. • Phone is available with Zen+. • Phone is available in C4-m, C4-9 and C4-PA in Compass V5.2 and in C4-CIC, C4-XP, C4-PA, C4-m, C4-9 and C4-FS in Compass V5.3