

Phonak Brio™ 3

Winter 2018



The Brio 3 comprehensive product portfolio for mild to profound hearing loss includes RIC, BTE and Custom products. Phonak Brio 3 hearing aids are ideal for members who demand the best hearing performance without compromising on comfort or style.

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Why Phonak Brio 3

Programs

Automatic		
Quiet	•	
Noise	•	
Comfort	•	
Music	•	
Loud Noise	•	
Car	•	
Echo	•	
Additional programs		
Max. additional programs	5	
Wind	•	
Echo	•	
Loud Noise	•	
Speech Direct	•	
Noise	•	
Quiet	•	
Comfort	•	
Music	•	
Acoustic phone	•	
Custom program	•	
Streaming programs		
Max. streaming programs	4	
Bluetooth audio + mic	•	
Bluetooth phone / DECT + mic	•	
RemoteMic / Roger	•	
Audio jack	•	

Features

Directional Microphone	•
SNR-Boost	•
FlexControl	•
FlexVolume	•
DuoTel	•
HiFrequency Protect+	•
User Preference Tuning	•
Real Ear Effect	•
Fine Tuning Channels	20
Feedback Manager	•
Noise Manager	•
Wind Manager	•
Echo Manager	•
Impulse Manager	•
Binaural Sync	•
AOV	•
Adaptation Control	•

Automatic

Members require hearing aids that enable them to understand and hear well in a multitude of listening situations. With the Automatic processing in Brio 3 hearing aids, sound is precisely analyzed in real-time while automatically providing the optimal setting for a great listening experience.

Car program

Speech understanding in the car is often reported as being challenging. The Car program supports easy communication and reduced effort by reducing broadband noise in the car to create a stable listening environment.

Loud Noise program

Brio 3 offers members even better speech intelligibility in challenging environments where there is diffuse noise. The Loud Noise program zooms in on a single voice source, while also adapting to moving and asymmetric noise sources. The result is up to 60% improvement in speech intelligibility.¹

Maximize comfort and performance

Brio 3 offers new features which work to provide increased speech intelligibility your member needs and the comfort your member wants. HiFrequency Protect+, elegant expansion and the symmetric gain approach work in conjunction with Automatic to provide optimal and customized performance for your members.

¹ Phonak Field Study News, April 2011 (Title: StereoZoom Improved speech understanding even with open fittings)

Colors

Brio 3 R



Brio 3 B

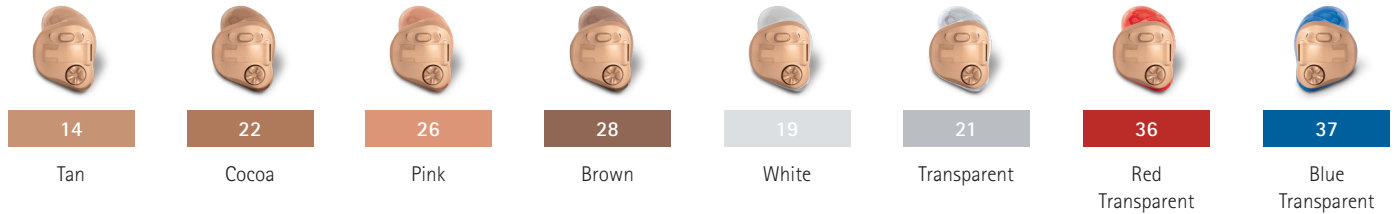


Brio 3 I

Faceplate colors



Shell colors



Product information – Brio 3 R



Brio 3 R-10

Brio 3 R-312T

Brio 3 R-13

Battery size		10	312	13
Push button (Program/Volume)		•	•	•
Volume control				•
Telecoil			•	•
EasyPhone		•	•	•
Nano coating		•	•	•
IP rating ¹		IP68 ¹	IP68 ¹	IP68 ¹
Dimensions	L x W x D	23.8 x 10.2 x 6.5 mm (0.94 x 0.40 x 0.26")	28.7 x 12.3 x 6.8 mm (1.13 x 0.48 x 0.27")	31.6 x 14.4 x 8.4 mm (1.24 x 0.57 x 0.33")
	Weight	1.0 g (0.04 oz)	1.5 g (0.05 oz)	2.2 g (0.08 oz)

Standard xReceiver (xS)

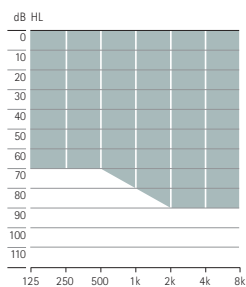
Max Power Output (dB SPL)	2 cc coupler	111	111	111
	Ear simulator	122	122	122
Max gain (dB)	2 cc coupler	46	46	46
	Ear simulator	56	56	56
Frequency range - Ear simulator (Hz)		<100-9200	<100-9200	<100-9200
Working current (mA)		1.2	1.2	1.2

Power xReceiver (xP)

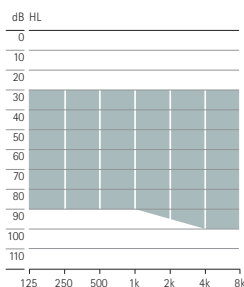
Maximum Power Output (dB SPL)	2 cc coupler	124	124	124
	Ear simulator	132	132	132
Max gain (dB)	2 cc coupler	57	57	57
	Ear simulator	65	65	65
Frequency range - Ear simulator (Hz)		<100-6400	<100-6400	<100-6400
Working current (mA)		1.2	1.2	1.2

UltraPower xReceiver (xUP)

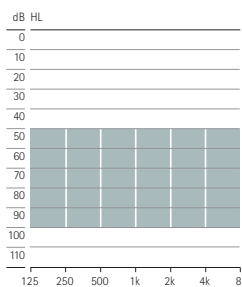
Max Power Output (dB SPL)	2 cc coupler		130	130
	Ear simulator		136	136
Max gain (dB)	2 cc coupler		66	66
	Ear Simulator		72	72
Frequency range - Ear simulator (Hz)			<100-5800	<100-5800
Working current (mA)			1.3	1.3



xS – Mild to moderately-severe hearing loss.



xP – Mild to severe hearing loss.



xUP – Moderate to severe hearing loss.

Note: The UltraPower xReceiver (xUP) is not compatible with Phonak Brio 3 R-10.

¹ IP68 indicates that the hearing aid is water resistant and dust tight. It survived immersion in 1m of water for 30 minutes and 8 hours in a dust chamber as per the IEC60529 standard. No traces of dust were evident within the housing.

Product information – Brio 3 B



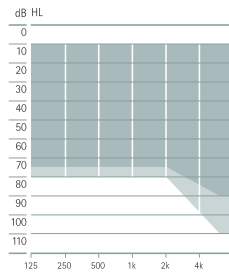
Brio 3 B-13



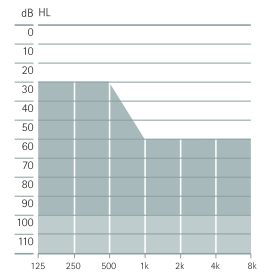
Brio 3 B-675

Zinc-Air battery size		13	675		
Push button (Program/Volume)		•	•		
Volume control		•	•		
Telecoil		•	•		
EasyPhone		•	•		
Nano coating		•	•		
IP rating ¹		IP68 ¹	IP68 ¹		
Dimensions	L x W x D	23.8 x 10.2 x 6.5 mm (0.94 x 0.40 x 0.26")	42.5 x 19.2 x 8.7 mm (1.68 x 0.76 x 0.34")		
	Weight	1.0 g (0.04 oz)	5.4 g (0.19 oz)		
Max Power Output (dB SPL)	2 cc coupler	128	131	135	141
	Ear simulator	132	137	140	145
Max gain (dB)	2 cc coupler	68	71	77	82
	Ear simulator	72	75	81	85
Frequency range - Ear simulator (Hz)		<100-6000	<100-6100	<100-5100	<100-5100
Working current - Ear simulator, HE 10 680 (mA)		1.2			
Working current - Ear simulator, HE 11 (mA)				1.3	
Fitting range					

- SlimTube HE
- Regular tube



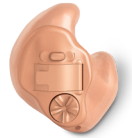
Mild to severe hearing loss, all audiometric configurations



Moderate to profound hearing loss, all audiometric configurations

¹ IP68 indicates that the hearing aid is water resistant and dust tight. It survived continuous immersion in 1 meter of water for 60 minutes and 8 hours in a dust chamber as per the IEC60529 standard. No traces of dust were evident within the housing.

Product information – Brio 3 I



Brio 3 I-N

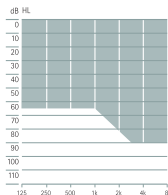
Brio 3 I-10 O

Brio 3 I-312

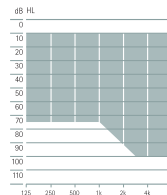
Brio 3 I-13

	Brio 3 I-N	Brio 3 I-10 O	Brio 3 I-312	Brio 3 I-13
Power level				
M	•	•	•	•
P	•	•	•	•
SP	•	•	•	•
UP			•	•
Hardware configuration/options/technology				
Battery size	10	10	312	13
Push button (Program/Volume)	•	•	•	•
Volume control (wheel)		•	•	•
Telecoil	•	•	•	•
EasyPhone	•	•	•	•
Microphone technology	Omni	Omni	Directional	Directional
Wireless (connectivity & Binaural Sync)		•	•	•
IP68 rating (without VC) ¹	• ¹	• ¹		
Technical data				
Power level	M	P	SP	UP
Max Power Output (dB SPL)	2 cc coupler	108	115	119
	Ear simulator	120	125	129
Max gain (dB)	2 cc coupler	40	50	60
	Ear simulator	50	60	70
Frequency range (Hz)	<100-7000	<100-6700	<100-7000	<100-5200
Working current (mA)	NW	0.95	1.0	0.95
	WHS	1.2	1.2	1.2

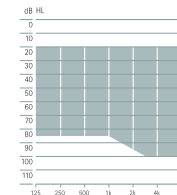
Fitting range



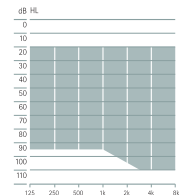
For mild to moderate hearing loss, all audiometric configurations



For mild to moderately-severe hearing loss, all audiometric configurations



For moderate to severe hearing loss, all audiometric configurations



For moderate to profound hearing loss, all audiometric configurations

¹IP68 indicates that the hearing aid is water resistant and dust tight. It survived continuous immersion in 1 meter of water for 60 minutes and 8 hours in a dust chamber as per the IEC60529 standard. No traces of dust were evident within the housing.

Wireless accessories pairing guide



Phonak ComPilot Air II

Solution for:

- Connecting wireless Brio 3 hearing aids to cell phones or Bluetooth-enabled music sources

Features:

- No neckloop
- Built-in demonstration capability
- Clip for easy wearing
- Binaural streaming of audio signals in stereo
- Built-in remote control for hearing aids
- Spoken messages and caller identification for easy interaction
- Compatible with Phonak RemoteControl App



Phonak ComPilot II

Solution for:

- Connecting wireless Brio 3 hearing aids to cell phones or Bluetooth-enabled music sources

Features:

- Built-in demonstration capability
- Bluetooth and wired audio inputs
- 24 hours of continuous streaming time
- Binaural streaming of audio signals in stereo
- Built-in remote control for hearing aids
- Spoken messages and caller identification for easy interaction
- Exchangeable neckloop available in two colors and lengths
- Compatible with Phonak RemoteControl App



TVLink II

Solution for:

- Listening to TV or other audio devices

Features:

- Supports analog and digital (Optical, Coaxial) audio outputs
- Quick and easy installation
- Test mode for a quick audio check
- Complete set including power plug and cables
- Charging slot for Phonak ComPilot Air II or Phonak ComPilot II
- Compatible with all Phonak streamers



Phonak RemoteMic

Solution for:

- One-on-one conversations over distance

Features:

- Lightweight and small
- Omnidirectional microphone
- Rechargeable battery
- Up to 8 hours of usage time
- Compatible with all Phonak streamers



Phonak DECT II

Solution for:

- Home phone with direct binaural streaming to both hearing aids for maximum speech understanding

Features:

- Unpack and use: no fitting required
- Simultaneous audio transmission to both hearing aids
- 1-click volume boost (up to +15 dB)
- Direct dial button for preferred number
- Suitable for people without hearing loss; may be used like a regular cordless phone



Phonak EasyCall II

Solution for:

- Binaural streaming of a cell phone call to the hearing aids for maximum speech understanding

Features:

- No fitting required – simply pair to cell phone
- Works with any Bluetooth®-enabled cell phone, even non-smartphones
- Attaches onto the cell phone so it's never lost or forgotten
- 10 hour talk time
- Standby time > 1 week

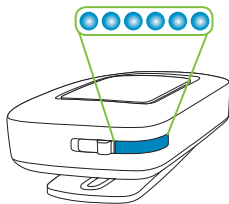
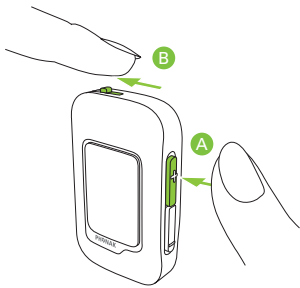
Wireless accessories pairing guide



Phonak ComPilot Air II

Place Phonak ComPilot Air II in pairing mode

- Switch Phonak ComPilot Air II off
- Press and hold the volume up (+) button **A**
- Turn Phonak ComPilot Air II on while pressing the volume up (+) button **B**
- Release the volume up (+) button when the indicator light starts rapidly blinking blue



Bluetooth pairing:  + on

Place Bluetooth device in pairing mode

- Select "Phonak ComPilot Air II" from the list of found Bluetooth devices
- Enter code "0000" if prompted
- Phonak ComPilot Air II requires access to your phone book. When prompted, accept the request
- After successful pairing, the indicator light will stop rapidly blinking blue

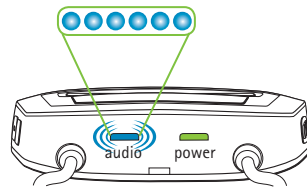
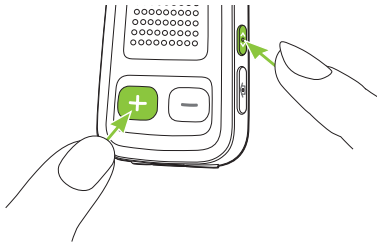
A quick pairing instruction is also shown on the back of Phonak ComPilot Air II. It is only necessary to perform the pairing procedure once with each Bluetooth device. Phonak ComPilot Air II will connect automatically to the phone after the initial pairing.



Phonak ComPilot II

Place Phonak ComPilot II in pairing mode

- Switch on the Phonak ComPilot II
- Press and hold the connect (<->) and volume up (+) buttons simultaneously (2 sec) until the audio indicator starts to rapidly blink blue



Place Bluetooth device in pairing mode

- Select "Phonak ComPilot II" from the list of found Bluetooth devices
- Enter code "0000" if prompted
- Phonak ComPilot II requires access to your phone book. When prompted, accept the request
- After successful pairing, the indicator light will stop rapidly blinking blue

A quick pairing instruction is also shown on the back of Phonak ComPilot II. It is only necessary to perform the pairing procedure once with each Bluetooth device. Phonak ComPilot II will connect automatically to the phone after the initial pairing.

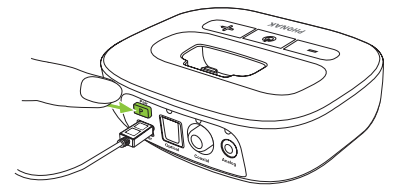


TVLink II

Place Phonak ComPilot Air II or Phonak ComPilot II in pairing mode

Place TVLink II in pairing mode:

- For the first pairing, TVLink II will automatically be in pairing mode after switching on. This is indicated by a rapidly blinking blue main indicator light
- To manually start pairing mode, switch TVLink II on
- Press the pairing (P) button on the back and the main indicator light will start rapidly blinking blue
- Make sure TVLink II and the streamer are within range (3 ft)
- Lights will turn solid blue once pairing is complete



To test the connection (troubleshooting):

- Have the client wear the streamer in the on position
- With TVLink II off, press and hold the volume down (-) and power buttons simultaneously until the light blinks in multiple colors
- Test sound will be heard through the hearing aids if connection between TVLink II and streamer is successful

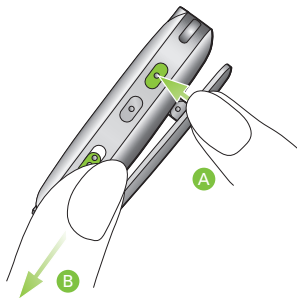


Phonak RemoteMic

Place Phonak ComPilot Air II or Phonak ComPilot II in pairing mode

Place Phonak RemoteMic in pairing mode:

- For the first pairing, Phonak RemoteMic will automatically be in pairing mode for 30 minutes after turning on. This is indicated by a rapidly blinking blue indicator light
- To manually start pairing mode, switch Phonak RemoteMic off
- Press and hold the volume up (A) button
- Turn the RemoteMic on while pushing the (B) button at the same time



- Release the (B) button when the indicator light starts rapidly blinking blue
- Make sure the streamer and Phonak RemoteMic are within range (3ft)
- Lights will turn solid blue once pairing is complete



Phonak DECT II

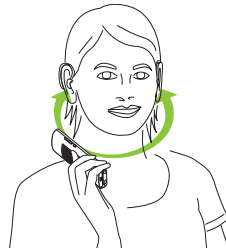
No pairing needed

Setup:

- Unpack and use: no setup required
- Plug into a power outlet and home phone line with the included cables

Connecting to your hearing aids:

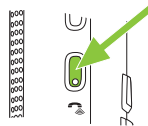
- Hold the handset close to the hearing aids (within 10")
- The hearing aids will automatically switch to the phone program



max. 25 cm / 10"

Testing the connection to your hearing aids:

- Press and hold the green "Boost" key



- Hold the phone to the ear and the test message will be wirelessly transmitted to the hearing aids
- Use the volume buttons to set the volume to a comfortable level
- Press the "End" key to end the test message

Making a call:

- Enter the phone number on the keypad
- Press the "Talk" key to place the call

Ending a call:

- Press the "End Call" key

Accepting a call:

- Press the "Talk" key

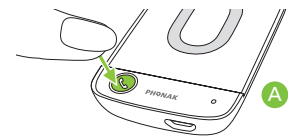


Phonak EasyCall II

Charge for 3 hours before use (a full charge will allow 10 hours of talk time)

Setup:

- Attach EasyCall II to the back of a Bluetooth-enabled cell phone using the enclosed adhesive or Phonak hard case available for popular phone models
- Press and hold the call button until the indicator light begins to flash blue (A)
- Ensure that Bluetooth is enabled on the cell phone and begin searching for devices
- Select EasyCall II from the phone's list of Bluetooth devices found
- Enter "0000" if prompted for a PIN on the device

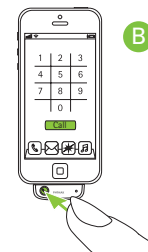


Making a call:

- Enter the phone number on the phone
- Hold the phone (with EasyCall II attached) as usual within 4" of the hearing instruments
- The hearing instruments will automatically switch to the phone program

Ending a call:

- Press the EasyCall II button (B) or use the "End Call" button on the phone
- The hearing instruments will automatically switch back to the last program



Accepting a call:

- Press the EasyCall II button (B) to accept the call

Target 5.3 guide



The Phonak Target fitting software is intended to be used by qualified hearing care professionals to configure, program, and fit hearing aids to client-specific requirements. This guide provides you with a detailed introduction to hearing instrument fitting with Phonak Target.

Structure and navigation

The three tabs **[Client]**, **[Instruments]** and **[Fitting]** as well as the dashboard above offer you easy navigation and status information. The dashboard shows the fitting status and also offers shortcuts.



All client information, such as personal data and audiogram, are found on this tab.

All hearing instruments, acoustic parameters, remote controls and other accessories are found here.

All device adjustments are done here.

Connect the instruments

Confirm that the correct fitting device is shown. To change the fitting device, use the pull down arrow next to the fitting device in the dashboard.



Click **[Connect]** to start the fitting. The connected hearing instruments will appear in the dashboard. For all new fittings, a suggested client experience level – based upon fitting session information available – will be offered.

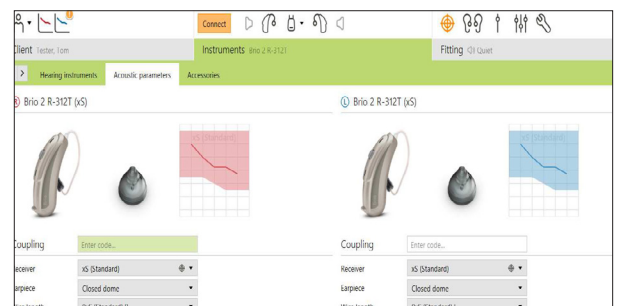
The audiogram data from NOAH will be automatically imported into Phonak Target and taken into account for the pre-calculation.

Acoustic parameters and receiver check

Phonak Target automatically links acoustic parameters together when they are the same. You can view, change or unlink the acoustic parameters at any time. Click on the tab **[Instruments]**.

In the **[Acoustic parameters]** screen, enter the correct coupling information. In this screen **[Acoustic parameters]** it is also possible to check at first fitting whether the attached receiver on Brio 3 devices match what is selected. To initiate a check of the receiver, click **[Check]** in the **[Acoustic parameters]** screen.

If there is a mismatch, Phonak Target will notify and prompt you to check the receiver. You can then swap out the receiver or change the acoustic parameter selection.

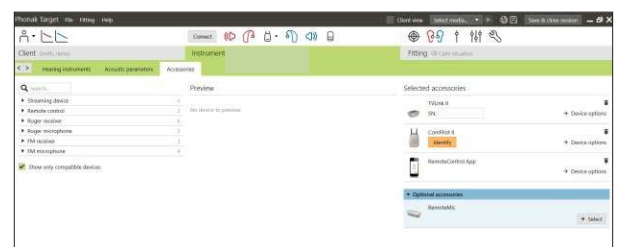


Accessories

Phonak Target automatically identifies connected accessories; just plug them in during the fitting session. The identified accessories are shown in the dashboard next to the connected hearing instruments. PilotOne/PilotOne II: Always remove the battery before plugging in the USB cable.

Accessories can also be manually selected in the tab **[Instruments]** > **[Accessories]**.

During the save procedure, the accessories are listed in the save dialog.



Fitting

Click on the tab **[Fitting]** to access the **[Feedback and real ear test]**.

Click **[R]/[Start both]/[L]** to run the test. The test can be run in both ears consecutively without stopping, or one ear at a time.

To use the test results to calculate the predicted RECD and the acoustic parameter settings, select the check box **[Use estimated RECD and vent]**. The checkbox will be available only if the system can do the RECD and vent estimation.

It is recommended to run the Feedback and real ear test before testing with AudiogramDirect.



Global tuning

Go to **[Global tuning]** > **[Initial fitting]** if adjustments to the Gain level, Occlusion compensation, or Compression are required.

The gain level and compression settings are based on the client's usage experience and the selected fitting formula.



Fine tuning

The left side of the **[Fine tuning]** screen is used for the handling of the programs.

Click **[All programs]** to adjust all programs together, click **[Automatic]** to modify all automatic programs or click on one program, e.g. **[Quiet]**, in the list to adjust this program only.

Click on the **[+]** icons to add an additional manual or streaming program.

You can manage the programs by clicking **[Open program manager]** above the programs. It will allow you to make further program adjustments.

The undo/redo function is located in the menu bar at the top of the screen. Click it if you want to undo or redo steps in the fine tuning screen.

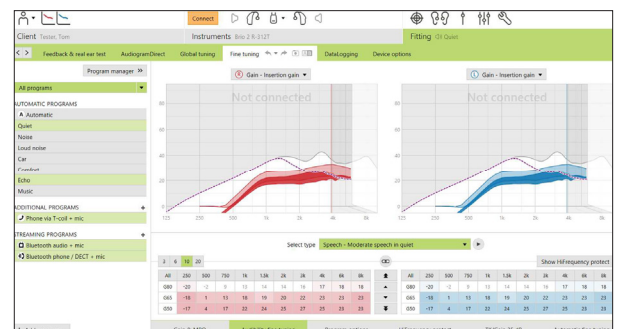


The tabs in the lower part of the screen will offer you access to the fitting tools. Each tool offers specific modifiers to fine-tune the hearing instrument.

Audibility fine tuning

Selectable sound samples and the related gain are shown in the curve display. The sound samples can be played to simulate a specific listening environment.

The gain values are displayed for soft, moderate and loud input sounds. Adjustments affect only gain levels and frequencies which are relevant to enhance the audibility of the selected stimuli, indicated by the different shades of red/right and blue/left.



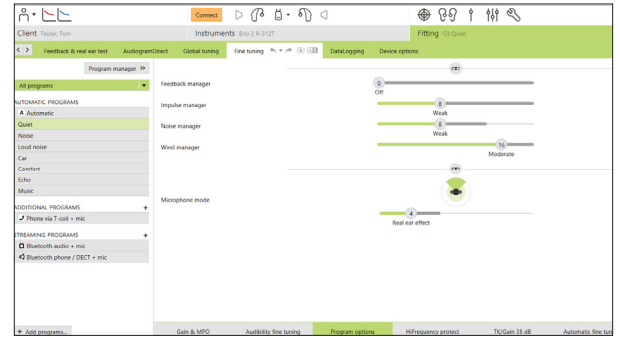
Target 5.3 guide

Program options

Program options can be fine-tuned individually as and when necessary. The current settings are positioned on scales numbered between 0 and 20 and the available ranges within each scale are visible.

A fully customizable program is available as an additional program.

The sound cleaning adjustments made with FlexControl will be shown in the follow up sessions, if logged data is available.



HiFrequency protect+/HiFrequency protect

The individual HiFrequency Protect settings, set by the pre-calculation, can be fine-tuned. For binaural fittings the cut-off frequency and the frequency compression ratio are calculated based on the better ear. Please check the HiFrequency Protect settings if incompatible hearing instruments are to be fitted together in one session.

HiFrequency Protect+

Set the strength of HiFrequencyProtect+ according to your clients preference for Audibility or Distinction.

Audibility makes high frequency sounds more audible as they are shifted to the better low frequency area, while Distinction increases the differentiation of audible high frequency sounds like S and SH.

Depending on the settings of Audibility and Distinction, adjust the settings for Clarity and Comfort.

Comfort makes sounds, such as male voices, own voice or music, more natural. Clarity adjust the audibility and distinction of high frequency sounds if they sound altered.

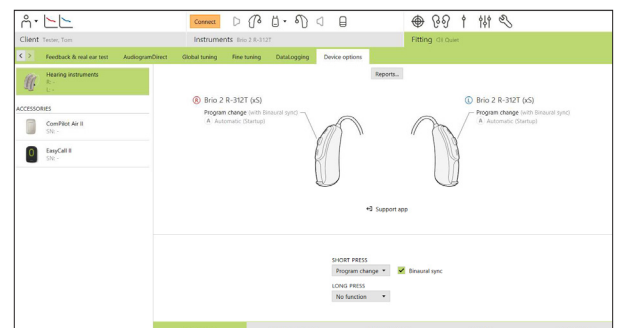
HiFrequency Protect

The strength of frequency compression can be increased or decreased as desired to improve speech intelligibility, audibility and sound quality.



Device options

By clicking [Device options] you can set the hearing instrument options such as the beep configuration as well as accessory options.



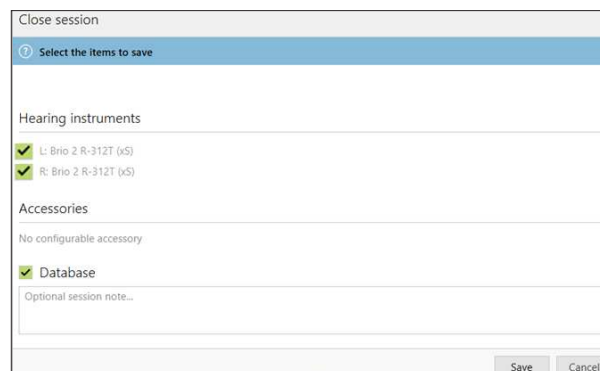
Finishing the fitting session

You can close the session at any time by clicking **[Save & close session]** in the top right corner of the screen.

The standard save dialog will confirm the successful save of the hearing instruments and accessories.

After the save, Phonak Target will guide you to the start screen.

If you are working under NOAH, you can go back to NOAH by clicking on **[Back to NOAH]** at the top right corner of the start screen.



Programming tips

Member Complaint	Programming Tip
"Voices sound muddy or dull" "I can hear people who are farther away better than those who are a close"	Sounds like there is too much compression. Go to Global Tuning and under Compression change from Prescribed Compression to Semi Linear. Manually adjusting the G80, G65, & G50 lines is not recommended because it is very easy to unintentionally alter the input/output functions and have a negative impact on sound quality.
"The world is too noisy" "I can hear more noise than speech in noisy environments"	Check your acoustic coupling. Change from an open dome to a closed dome. If the acoustic coupling is not the cause, go to Fine Tuning and then Program Options. Select the Noise program (so it is highlighted in green) and increase the Noise manager by a few steps. You may be tempted to manually reduce the low frequencies, but this can have an unintended detrimental impact on speech perception, so do this as a last resort.
"My voice sounds funny"	Go to Fine Tuning and then Automatic Fine Tuning. Select Own Voice and then choose the member's complaint (hollow and boomy, dull, overall too loud, etc.) and then select Fix issue. Note that Target tells you what it is doing to fix the issue so you are aware of the changes that are being made.
"Hearing aid sounds like it is going in and out" or "Hearing aid sounds like it is turning on and off"	You are more likely to hear this complaint when a member has a more significant hearing loss. under Fine Tuning take a look at your frequency response curves. Make sure you are looking at Output - HL, which is located in the box directly above the frequency response curve. Look at the space between G80 and the MPO. If there is not a lot of space between them, create some space by either increasing the MPO (only if it will not exceed UCL) or decreasing G80.

Life is on

At Phonak, we believe that hearing well is essential to living life to the fullest. For more than 70 years, we have remained true to our mission by developing pioneering hearing solutions that change people's lives to thrive socially and emotionally. Life is on.