



DANALOGIC

i-FIT

INTELLIGENT FITTING

Danalogic i-FIT fitting

A guide to Aventa software

This guide is intended to help familiarize you with the Aventa fitting software.

What's Connected?

To connect the Danalogic iFIT device(s) to the Aventa fitting software, use the CS44 cables and programming boots for BTEs. A battery is not required to program a BTE device. Use the CS53 flexstrip adaptor to program any custom product, with a battery in the instrument.

On the **Selection** screen...

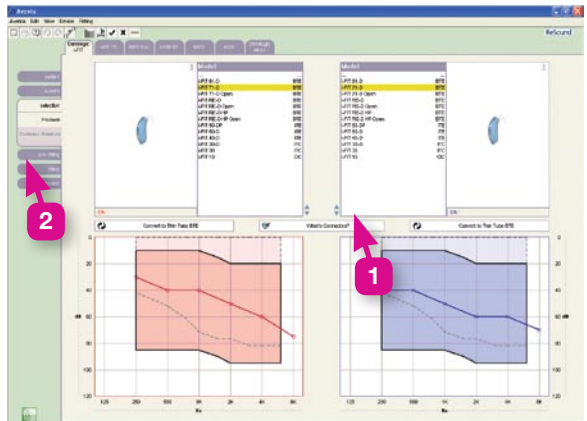
1: Click: What's Connected?

The model connected will be highlighted and the serial numbers will appear.

Fitting:

2: Click: Fitting

After you have checked the initial connection by clicking on **What's Connected**, click the **Fitting** tab on the left column



Note:

If you are changing receivers on a RIE device (e.g. LP to HP), it is important to physically change to the correct receiver, and reconfigure the instrument to ensure the proper gain settings. This is done by pressing the **Convert to:** button after the device has been connected, and then selecting the device you want to reconfigure to.

Feedback Calibration: Dual Stabilizer® II DFS

Upon entering the fitting screen you will be prompted to run the **Feedback Calibration**.

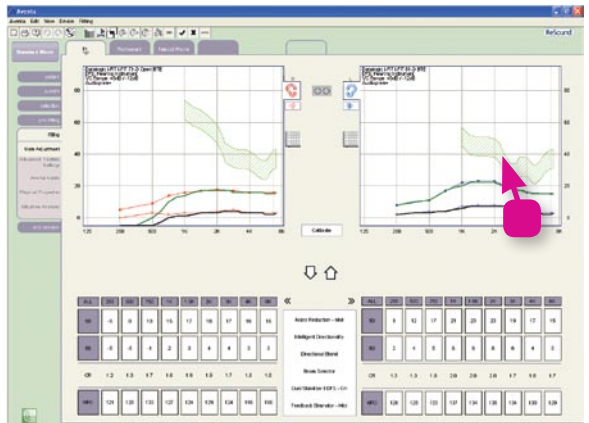
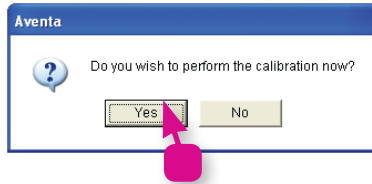
■ Click: Yes

It is strongly recommended to always run the calibration at the start of a new fitting, or if venting, tubing, earmould or dome size changes are made, as these changes can create acoustic differences from the previous fit and can affect feedback management.

Instruct the patient that they will hear a fairly loud 'buzz' for approximately 10 seconds in each ear – have the patient sit quietly until it is completed. If the calibration signal is too loud for the user, click **'Cancel'** and you will be given the option to reduce the level of the calibration signal. It is not recommended to reduce the signal more than one step, as it can affect the outcome of the calibration.

■ MSG Area

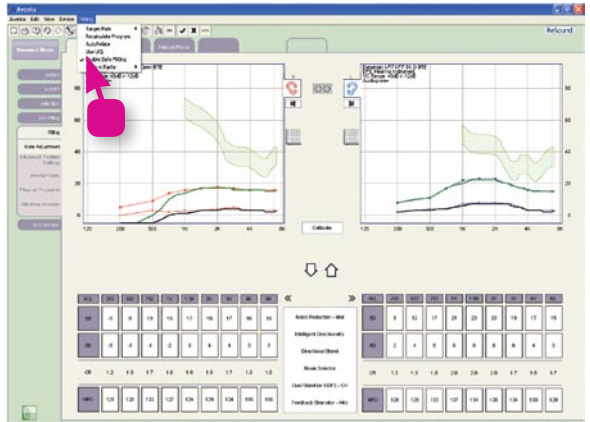
Upon completion of the Feedback Calibration, a green-shaded maximum stable gain (MSG) area will appear. The MSG area indicates the extra gain 'headroom' you obtain from the calibration.



Safe Fitting:

Once the Feedback Calibration is completed, **Safe Fitting** will automatically be activated. Safe Fitting locks the gain, so gain adjustments cannot go above the MSG (green-shaded area). Setting the gain above the MSG area greatly increases the likelihood of feedback.

Should a user need, or prefer more gain, Safe Fitting can be de-activated. The Safe Fitting control is found in the **'Fitting'** drop down menu at the top of the screen. By un-ticking Safe Fitting (✓ disappears), the gain is unlocked and adjustments can be increased above the MSG area. It is highly recommended that if gain needs to be increased, to consider a dome, or venting option suitable for the gain adjustments, as an improper selection can lead to an increased risk in feedback.



Fitting screen:

1: 9 handles to control Gain for soft and loud inputs

The fitting screen allows overall gain changes to be made to any of the 9 gain handles. G50 is the gain given to softer level inputs; while G80 is the gain given to loud level input.

2: Left and right linking

In binaural fittings the default is to link left & right together which will mean that the gain adjustment will be made on both sides automatically. To unlink the two sides, click on the icon indicated.

3: Prescription target rule

The target rule used is also indicated on the fitting screen.

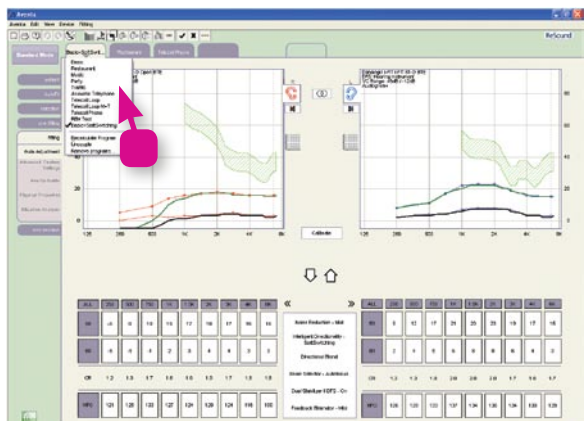


Fully Flexible Programmes:

Different listening situations may call for different programme settings.

■ Programme tab to change the programme settings for your patient's individual needs

If you want to change a programme, click the drop down menu on the programme you want to change and select a new option. Programmes can also be removed using the same procedure.



Physical Properties:

■ Physical properties

If the fitting is an **open fitting** there are **Physical Properties** that can be recorded in Aventa

1: Vent configuration

From the Vent Configuration drop down menu select between Air Dome and Tulip Dome.

2: Tubing size

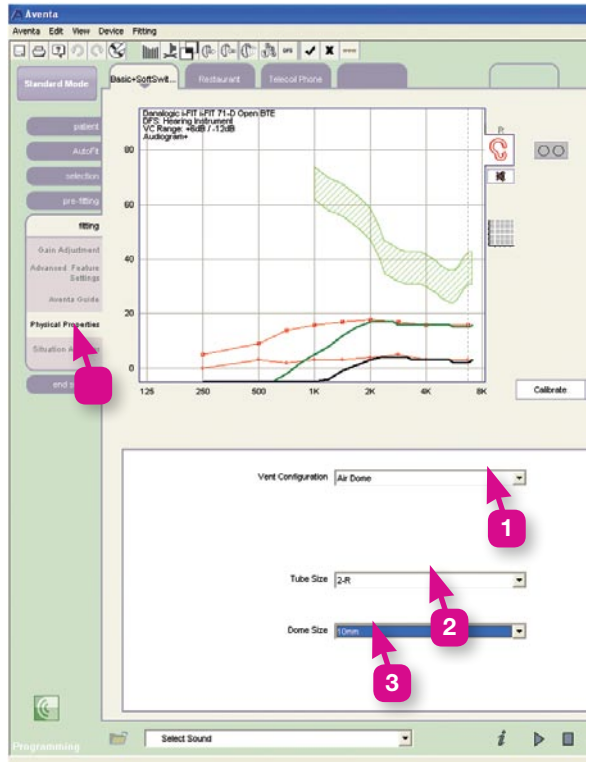
You can also select the tubing size that was measured and selected for the user under the Tube Size menu.

3: Dome size

If Air dome is chosen, then select Dome Size.

Note:

Selection of Vent configuration will have an impact on the prescribed low-frequency gain. Tubing size is for reference only, it will not change the amount of gain prescribed.

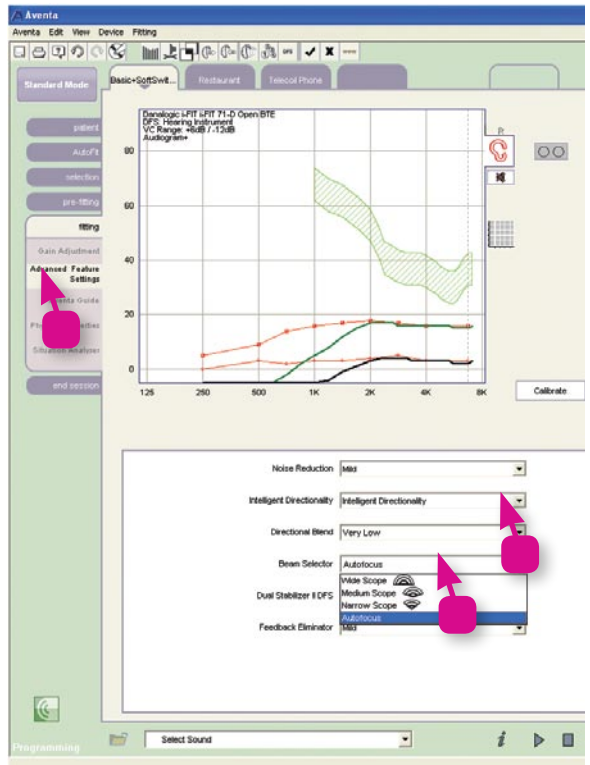


Intelligent directionality with autofocus:

Enables the hearing instrument to automatically narrow the beam to focus on what's in front of the listener while reducing competing noise coming from other directions. It will automatically change to a wide scope for optimal awareness in quiet situations, or speech only environments.

Intelligent Directionality can also be set to manually select a specific directional scope.

Autofocus, or the appropriate beam setting, can be selected in the Beam Selector drop down menu, located in the **Advanced Feature Settings**.



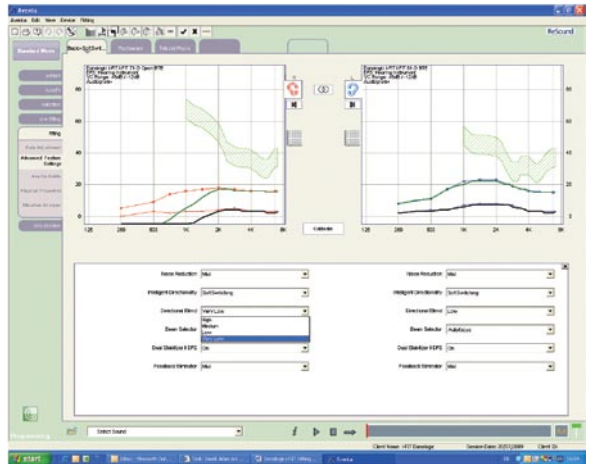
Directional blend:

The Directional blend influences the blending point (the frequency that separates omnidirectional processing from directional processing), determining how much directionality is delivered in the output of the instrument. The default value of the Directional Blend is dependent on the particular model selected and the degree of low-frequency hearing loss. It is not recommended that you change the Directional Blend setting unless your patient reports a very specific concern.

The Directional Blend adjustment can be found in the **Advanced Feature Settings**.

The following examples can be reasons for changing the Directional Mix setting:

- The hearing instruments are too noisy in quiet situations – decrease the Directional Blend setting (provides less directionality to the output)
- The patient desires more listening comfort in noisy situations – increase the Directional Blend setting (provides more directionality to the output)

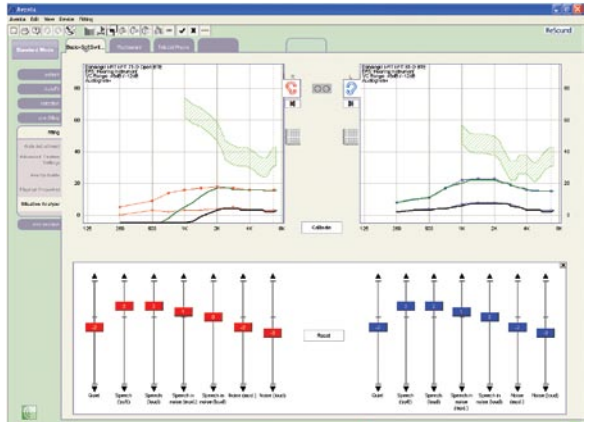


Situation Analyser:

Whereas overall gain adjustments may be suitable for one type of listening situation, they may not be optimal for all. The situation analyser allows you to make specific gain adjustments for different sound environments, ensuring the user gets optimal gain as their listening needs change.

Note:

To use the Situation Analyser feature, click on the Situation Analyser tab. Move the sliders up to increase gain, or down to decrease gain for a particular situation. It is not recommended to have more than a 4dB difference between adjacent situations



Programming and other options:

When you are ready to finalise the fitting click on the End Session tab on the left column of the screen.

■ Click: End session

At the top of the screen there are other tabs, **Summary**, **VC Settings** and **Beeps**.

Summary provides an overview of the instrument and the programmes selected for the user. This screen also allows access to change data-logging/stand by and SmartStart status.

VC settings allows you to de-activate the volume control or change the range.

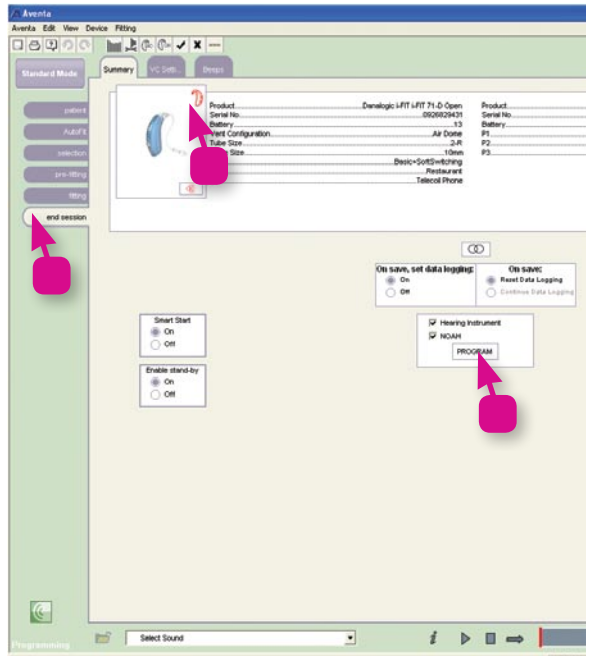
Beeps allows you to adjust the volume of the indicator beeps (e.g. Low Battery and P1/P2 Change).

■ Click: PROGRAM

When you are ready to programme the instruments click **Program** (make sure the Hearing instrument boxed is ticked).

■ Confirmation complete

When programming is complete, a coloured hearing instrument icon will appear (red for right/blue for left). At this point it is safe to disconnect the hearing instruments.



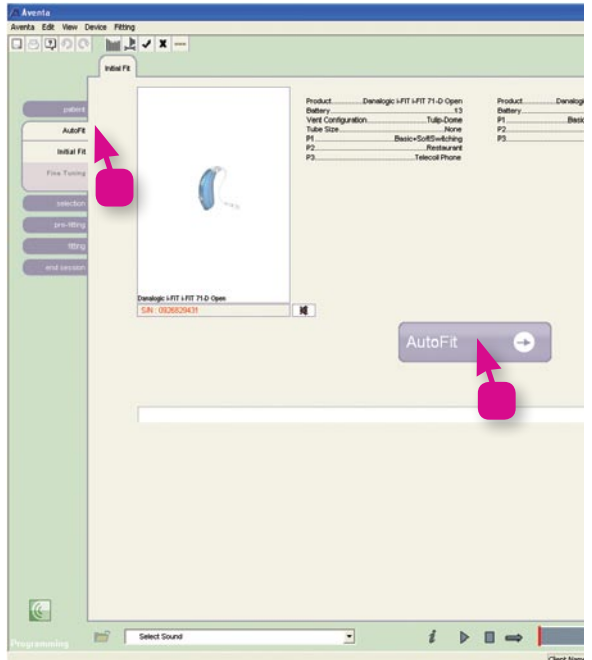
AutoFit:

AutoFit is a one-click quick fit. It allows you to save time by accepting all the default fitting recommendations for the user. AutoFit provides an effective fitting, but is limited to making only gross fine-tuning gain adjustments, without any adjustment flexibility in the Advanced Feature Settings. More detailed changes have to be made through the Fitting tab.

■ AutoFit tab

To activate AutoFit, simply click on the AutoFit tab on the left column of the screen and click the AutoFit button to start fitting.

Note: To make restricted fine-tuning adjustments within AutoFit, click the Fine Tuning tab on the left column.



For more information:

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