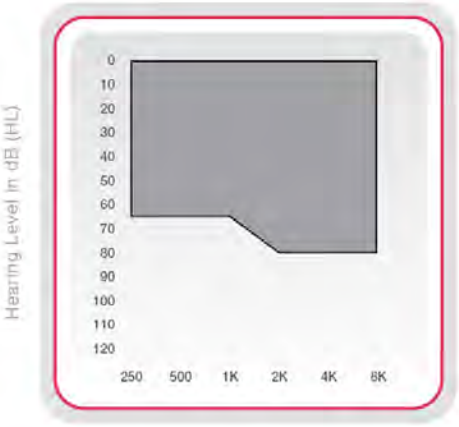
HearLens™
TECH TIPS

microtech

Fitting the Invisible-in-the-Canal style (HearLens)



HearLens Fitting Range

MicroTech is proud to introduce a new style of instrument, called the invisible-in-the-canal (IIC). HearLens™ is available as an Axio ST Premier with 35 dB of gain and offers a wide fitting range because of the deep insertion of the instrument.

Basic programming of HearLens can be accomplished in the office or remotely. MicroTech uses T^2 (touch-tone) technology to accomplish remote programming and adjustment of the HearLens. Wired programming in the office is accomplished by using a specially designed programming strip for the HearLens.

Remote Programming and Adjustment (T^2 Remote and T^2 On Demand)

T^2 Remote adjustment allows the patient to make temporary changes to the programmed settings by using a DTMF-(Dual Tone Multi-frequency) compatible phone. Using **T^2 Remote,** the patient can make volume and memory changes as well as mute/un-mute the hearing aid. A visual guide of the phone keys used to control **T^2 Remote** functionality is included in the Inspire software as well as in the patient's operations manual. Once the patient opens and closes the battery door, **T^2 Remote** adjustments are lost and the hearing aid reverts to the programmed settings and memory one.

T^2 On Demand allows the professional to conduct a remote programming session and make permanent change to the frequency response using a DTMF-compatible telephone. This feature is designed to provide a method for convenient follow-up adjustments without requiring the patient to return to the office. The adjustable parameters for **T^2 On Demand** are based on the same settings found on the **Quick Fit** screen of the Inspire software. Additionally, we recommend that you perform the remote programming sessions monaurally and in a relatively quiet environment. [All changes made through either **T^2 Remote** or **T^2 On Demand** are tracked through Data Log.]

T^2 Remote and **T^2 On Demand** will be enabled by default in Inspire 2010.2 for all HearLens hearing instruments with the default **T^2 On Demand** activation code of #99.

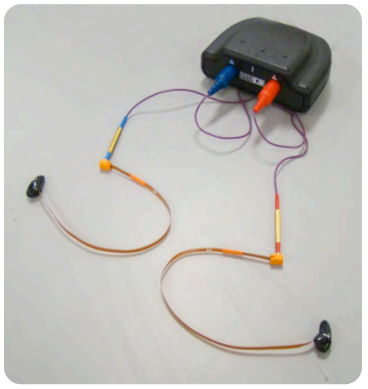
HearLens™
TECH TIPS

Below is a table of the **T² On Demand** programming adjustments and phone keypad codes. For a step-by-step procedure and more complete description of **T² Remote** and **T² On Demand** programming, please see the Telehealth On Demand Tech Tip.

Adjustment	Code	Adjustment	Code	Programming Command	Code
Decrease Occlusion Control	#13	Increase Occlusion Control	#16	Begin Session	#99
Decrease Lows	#11	Increase Lows	#14	Repeat Adjustment	#00
Decrease Highs	#12	Increase Highs	#15	Store Changes	#01
Decrease Gain	#18	Increase Gain	#10	Change Memory	#06
Decrease Output	#21	Increase Output	#24	Undo All Adjustments	#02
				End Session	#09

Wired Programming (using Inspire 2010.2)

When programming the HearLens with Inspire software, be sure to use the specially-designed programming strips. These strips attach to the programming cables used for all other Axio ST products. The strips are inserted behind the battery door as with other custom products in the Axio ST, Axio and Vector product line. The HearLens can be programmed with or without a battery.



HearLens instruments with programming strips

Programming Steps:

1) Make sure the extended programming strips are inserted into the hearing instrument(s)
2) Insert the hearing instruments into the patient's ear. *(Note: Oto-Ease may be helpful for insertion of the HearLens.)*
3) Make sure the Inspire software is open, then attach the programming cables to the programming strips.

(Note: the use of collar clips is helpful if the weight of the programming cable pulls the flex strip loose from the device. If you need collar clips, please contact Customer Service.)

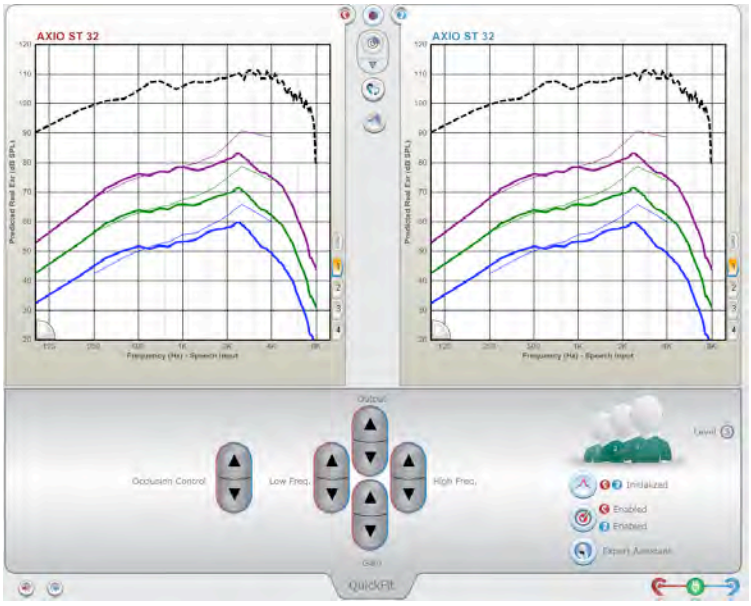
HearLens™
TECH TIPS

4) On the **Get Started** screen, the HearLens will read as an Axio ST Premier CIC. Select the **Quick Connect** icon to begin programming the HearLens.

5) On the **Quick Fit** screen you will notice that the response curves are offset from the targets. *This is done intentionally.* ***Do not select Best Fit*** as most patients will find the actual match to target too strong using this deep insertion product. Make changes relative to patient preference, just as you would for any other hearing instrument and save the session in the database.

6) When programming is complete, disconnect the programming cable from the flex strip and use the removal strand to remove the hearing instrument from the patient's ear.

Best Fit



HearLens is shipped pre-programmed and ready to be fit from the factory. Initial programming is Best Fit for a CIC model with appropriate offsets applied to the e-STAT fitting formula to account for the deep insertion of the device in the ear canal and the resulting gain variations from traditional CIC products. It is not recommended that the product be fit with the default Best Fit target, as patients would be over amplified. HearLens products are configured as Switchless, 4-memory devices. The patient can access the memories via **T² Remote**.

The memories are programmed with the following environment choices:

1) Normal
2) Crowd
3) Restaurant/ Party
4) Telephone