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## **ReSound Government Services: Introducing ReSound Smart Fit 2.0**

**Presenter: Kara Sinner, MS, CCC-A, FAAA**

I want to thank you for taking time out of your busy day to join us today for the introducing resound smartfit 2.0. My name is Kara Sinner and I am a training and content development audiologist at Resound. I'm located in our North American headquarters in Bloomington, Minnesota. So let's get started here. First, want to go over our learning objectives for today.

We're going to identify the new home screen features, be able to describe the quick access features available in that home screen navigation bar, and then discuss first fit navigation and fine tuning adjustments that are available in resound SmartFit 2.0.

So introducing with this new software, we have revamped a new home screen, made some changes to make this experience smarter, more intuitive, help you speed up the time that you're spending in there with the workflow and make that fitting easier than ever for you to navigate around.

So we realized that, you know, one of those core tools of hearing care professionals to use for hearing aid fittings is the, is the fitting software. It's going to be a part of every, you know, appointment that you have with the patient when you're trying to either do initial fittings or, you know, any kind of fine tuning. And this, you know, software is really where you take your professional knowledge about the products and the hearing and all of those things and be able to translate all of that knowledge into the settings that are going to provide your patients with that great hearing experience. So we want to make that process as easy as possible for you.

So there are many new benefits that we've introduced with resound SmartFit 2.0 and we're going to kind of discuss that going throughout here. First of which is a revamped home screen that's been done to provide a more intuitive fitting experience for you, give you easy access to all the kind of tools that you need, some of which is going to be direct access to non fitting tools and links to support materials that you can do from the fitting software itself. And also we've kind of developed this software to be smart or smarter that we have new features that are available to improve your workflow, but also

features that kind of learn what settings you typically make or what changes you typically make and can do some updates to those preference references automatically for you.

So first we're going to kind of start by talking about this new home screen revamp, but just want to maybe remind you if you recall from the ReSound SmartFit 1.18, we had this smart launcher screen which essentially was the Home screen in the 1.18 version of fitting software. And you know, it has a lot of information on it, as you can see, right, it's pretty busy. This is where you can select products and connect to products and see fitting ranges and different receiver options and things like that. So really quite busy, contain a lot of information. And for some users, especially when they were new to using the fitting software, it really wasn't that intuitive to them as to where do you go to connect?

What button do I need to hit to connect to initiate a fitting? So one of the main focuses in the development of Resound Smart Fit 2 was to clean this up and come up with a new home screen design that is more intuitive.

So where we landed is this peek at this new home screen that's available in resound Smart Fit 2.0. And as you can see, just really right away, it's much less cluttered, much, you know, much simpler design, very cleaner look, 74% cleaner look in fact, compared to that previous version. And it has some new features that we're going to kind of walk through here and point out really those, or highlight what those changes are. So first off, at the top here we have this new navigation bar. And this is going to allow for really easy access to fitting, to features, to really actually to non fitting features.

So maybe things that before you used to have to pull up a patient and get into the patient file in order to access some of these things. Now we're going to have that available on this home screen where you don't actually need to go into the patient file. Now what's nice is that if you're in the fitting software and you have that patient file up, you have access, you'll see all of these features, but you also don't have to even select the patient or go into the fitting software to have access. And what I mean by that is when

the ReSound SmartFit 2.0 is installed, you're going to have an icon on your desktop for Resound Smart Fit. And when you click on that, it's going to pull up this same homepage with all the same access to these navigation features.

So as you can see, we don't have any patient selected, but you're still going to be able to go visit the catalog, go to the resources, do a accessory update, see the preferences screen, make changes, et cetera, or see the links to those different information areas that are available. Now, if you are already here and you have a patient that's coming in, you don't have to close out of this and then go back into. You can actually just click, you know, to select your patient and it's going to pull up your NOAA patient database where it'll allow you to find and select your patient and then proceed into the Rezone. Smart Fit 2.0. So not, you know, not just trying to make it easier for you.

If you're already here, you don't gotta back all the way out. You can just kind of continue on. If you are already in the patient fitting, then you still have access to all these things as well. And we'll take closer look at that as we go along today. Some other things to highlight on this new revamped home screen is in the center here.

We have changed the location of that button that you need to connect to initiate the fitting. And it's right in the middle, kind of draws right where your eyes are going to go normally or naturally. It's a nice bright blue color which is going to really try to highlight it differently from the other colors that are on the screen. And again, try to draw your attention to where you need to go to initiate those fittings. So we've placed that there with the new coloring.

Underneath it we have something that's called remote fitting. And just really to describe what that is, this allows if you have a patient that you're using, resound assist with the live assistance. So you're going to do a video on time video call with them. This remote fitting will just let you go right into that patient file, into the fitting screen where you can initiate that live assistance call. The other button here

is a simulate session.

So this might be like, I don't want to connect to hearing aids. I don't have hearing aids with me to connect, but I just want to kind of go into the software View, maybe even just like view some different products of might. Maybe what I'm thinking I might want to fit. You still have access to simulate all of that with the simulate session button. When you do have something that's been connected, you're going it on this home screen.

It will show you the family and the model receiver power level that's being used and then also the serial number information. So a nice easy place to go and find, hey, gosh, what was that serial number? You can come right here. It's going to have all that detail highlighted right there for you on that main home screen. And then of course, you know, we still have some of the products that are not.

That are older generation. Right. That we still need to Use that Resound Aventa fitting software for it's getting to be fewer and fewer. Those are getting pre aged, you know, so we're talking those Resound Link Squared, those Enzo Squared types of products and anything prior to that that you would need to use Resound Eventa for. But we have actually like separated the distance between this just to make it again more, more different to know like, oh, hey, I need Aventa now I can click on that and fit or do fine tuning on those previous generation products that aren't part of Smart Fit.

All right, so if we go to the next item here on this navigation bar, this is what our cat is called, our catalog screen. This is where you're going to find, you know, the product catalog, what kind of models are available. When we use the little drop down here, you'll see underneath like for example, the Resound Nexia family. That will show you then a listing of all the Resoundxia models that are available. You can also filter this catalog by family style or feature by using the drop down there.

So you can kind of just make it more comprehensive to what you're looking for. When you're maybe trying to simulate or see, you know, what's out there in the center section, you'll still be able to see the audiogram displayed on the fitting range for the different receiver power levels that are listed there. So you can kind of see how that fits in with the patient's audiogram. Just want to point out if this was like a BTE or a power BTE type of fitting. This is where you could configure that in the bte if it's a open thin tube fitting versus a ear mold with a hook or in the case of the power BTE where you want the plastic hook to give you that kind of that high power or to give you the power version or changing if you're using the metal hook, then you can configure that to use the high power version which gives you that additional gain.

So that's where you would look to find that down on the bottom. Here are the different features and specifications that allow you to compare, compare those items in that area and see what's available for a particular product. And then in the right, if we are in that simulation mode, lets you simulate and would take you further into the other fitting screens from there.

Next item up is the resources. So in the resources screen this is going to introduce quick links to non fitting tools and links to support materials. So some of these direct links include underneath this [gnhearing.com](http://gnhearing.com) if you choose that one. Where that's going to take you is to the main page of the Government Services Resound Government Services website. So it just quick access.

You don't have to go to some other, you know, browser to find that it will take you there. The next item up is user guides. This is going to actually pull up a site where there's different fitting software user guides and they're actually available in different languages. So you can certainly choose the language that you prefer there. There's also some user guides for bimodal fitting support in this area.

But again that direct access to user guides under that item, if you click on the support icon that's going to take you to the products and support page of again the Resound Government Services website. So

this, you know, instead of having to navigate elsewhere, you can just do it right from the fitting software. And then finally the videos. This is going to take you to the resound YouTube video site. So if you're looking to oh on any kind of how to or some information there that's on the YouTube, you can pull that up.

You could pull that up to show a patient if you wanted to do that during a fitting as well. So this one click Access to resources. Again if you have a patient selected, you can get to all of this. And you can also don't need to have the patient selected. You can use that desktop icon and have access to all these things as well.

Next up is the update. And oh, one thing I kind of forgot to mention which I think is very important as part of this revamping is that we have this nice black bar. And as you see as I've been going through here, the item I'm on is highlighted in a nice red color. So I don't want to forget to mention that because that is one of those improvements that just lets you be able to see which tab are you actually on. It just is such much more visible or visual indication of that.

So that is one of those improvements as well. So in this case we are on that update tab and what this is is for accessory updaters. So this is going to allow you to connect the new generation wireless accessories. So the TV Streamer plus or the Multi Mic plus. And if there's a firmware update that comes along down the road for those, you can use the fitting software to update that firmware to get the latest and greatest features that come along with those accessories.

One thing to point out here is that it does when you're doing an update to the Accessory, it does actually interface with the NOAA Link Wireless, so that needs to be plugged in. You're going to want to make sure that the accessory itself is physically connected to the PC. So there's always that USB C to USB cable you're going to use to connect the actual accessory. Make sure it's powered on, and then when you click Accessory Updater, it'll discover that accessory that's connected, see if there's a

firmware update available. And if there is, you'll be able to set update and it'll update the firmware as needed.

And one thing I want to point out with the update again, because we're using kind of that NOAA Link interface to be able to connect and do that firmware update. If you are in a fitting and you're connected to hearing aids in the fitting, well, that connection to the hearing aids is using the Noah Link Wireless. So it can't do both things at once. So if you have plans to update one of the accessories, just make sure that you're not connected to hearing A in a fitting, because what will happen, and this will be the key is this will be grayed out. You won't actually be able to select it because you have your.

That NoLink Wireless is busy connecting to the hearing aids. So just make sure you're not do the accessory update kind of separate from that and you'll be good to go.

All right, the last item is the preferences screen. And this has the items in the preferences screen really haven't, you know, been changed. You still have access to set how you want the fitting software to function for you based on your preferences. But what has been improved here are these little toggles. So when something is selected, when you've selected a preference to be on, it is green.

So it's much more visible than what it used to be. If you recall, it used to be a yes no with a white and a black box. And people would be like, oh, is the white mean it is on or is the black mean it's on? Or it was not so easy to tell which one you had actually selected. So a nice improvement here with these toggles.

You know, if it's green, it's a preference that's been selected that's on. Along with this preferences is the fitting software has the ability to automate some preferences, so it will record how you use the software. So even if you never come in here and make changes to preferences, if there's something that you do all the time over a certain amount of Times of doing that, the software will say, hey, you make this

change every single time you're in with every fitting. So once it hits kind of that threshold, it will say, I'm going to make that change for you in the preferences so that the next time you don't have to change it. And you do get a little notification bar when something's been automated so that can say, oh, something changed and you have the ability to come to this preferences screen and you know, again, make, make a change differently than what it automated, whatever you decide you need to do there.

Okay, so something that hasn't changed is the fitting flow. So the fitting screens and the steps to get through a fitting are really the same as what you've been used to with us. So we haven't changed that. We're not, you know, moving your cheese, nothing like that. But we have updated the look slightly.

So again we've carried through this black bar with that red highlight to let you know which item you're, you're, which screen you're actually selected on. It's just again, more visual to be able to help you with that. We have the save button. It's still in that same lower right location, but now it's blue. So again to try to draw that attention like to that different color when you're all done with the fitting and you want to save it all into the hearing aids, hopefully that save button being blue can stand out better, making it easier for you to locate it and then take that action when you're ready to take that action.

So in this example you can see that we're highlighted on the gain adjustment screen in this first navigation bar here it's red. And then we know that with each of these items there's always this sub navigation. So on the sub navigation we can see that the fine tuning is the one in gray. So that's the one you're on. So we know that by looking at this, this is the gain adjustments fine tuning screen.

And again, just as you toggle along, that gray highlight will change in the sub menu. The red highlight will change in that main navigation menu as you move along. And we're going to go into the fitting software and toggle through these different things in more detail. So.

All right. Another new feature that we introduced with 2.0 is a use instrument MPO button. So this allows really a one click ability to change from a prescribed MPO to the maximum MPO that the hearing aid actually has available. Right. So the prescribed MPO is or MPO is set to a prescribed MPO based on whatever fitting rule that you're using.

And that has always been the case. And we've actually always given you the ability to increase that MPO to the maximum because the prescribed is always going to be a little bit lower than really what the maximum the hearing aid has to use. So you could have in the previous softwares, you know, clicked on the MPO or on, you know, maybe a certain frequency of the MPO and then use these increase buttons to increase it and you could have increased it up to that maximum that's allowed for the hearing instrument itself. That maybe can be perceived as a little cumbersome if you just want to go straight to that mpo. We've now implemented this new use MPO instrument MPO button in the center here.

So when you click on that, both hearing instruments will go to the that maximum instrument MPO that's available. And when you do that on this gain view. So right now we're looking at the gain view in the hearing in the fitting software. You don't see that change really anywhere, except for you would see it down here in the mpo, values would increase is really the only place you would see it. So if you want more of a visual on the graph to be able to see that, if you go to the display options and choose that output view, when you do that, then you looking at the output view and now you get more details about really what is it that we're talking about.

And you can kind of see that visually what we're talking about. So in the center here we have a legend that actually will describe what the different shaded regions mean and you know, the red lines and things like that. So of course these three red lines, that's a carryover from the gain screen. That's just those the output for the three input levels. So that's going to be pretty similar.

But then we have a lot of other different shaded regions and lines that are available here in the output view. For the purpose of this, I've actually set the right ear to be the prescribed MPO and the left ear to be the instrument MPO just so that we can kind of talk about what those differences look like. So we can see this current MPO is indicated by the red line. So in the prescribed, this red line is going to be below kind of at the edge of that prescribed range. And in the instrument we can see that it's higher at the bottom of that instrument mpo.

If we look at this dark shaded range, what does that mean? It says that means that's above the instrument mpo. So this dark shaded range is an area that we don't have access to. Right. We can't program into that.

The hearing aid can't provide amplification in that area. It's, it's, it's out of the range. So we can see that when we're using a prescribed, we are below that hearing instrument mpo. And when we use the instrument mpo, it follows that line. Right.

So we are at the maximum we can possibly get out of that, the light gray region or shaded region. So if we look at the bottom of that, that's where our prescribed MPO is set. And so we can see with this prescribed, if we think about this light shaded gray range, that's that amount that you can increase from a prescribed MPO up to what the hearing instrument MPO would be.

So why use hearing aid mpo? Well, we all know, you know, especially when you have hearing losses that are more severe. And maybe I'll just go back here, you know, kind of that idea is if we're, if we're getting gain curves and we're kind of getting close to that mpo, we know we can sometimes run into, you know, saturation and distortion and things like that. So the more distance you have between that can make that can avoid that situation from happening. So in the cases of those severe losses, right, we have more programmed into it.

We're more suspect to reaching that maximum. So if you're running into something like that, you could increase it a little bit more, give some more room between those input curves versus the mpo. And again, kind of along that same line, if things are, they're saying, oh, it's not quite loud enough or it's muffled or unclear. Again, if we're, we're bumping up too close to that, that can happen. Giving a little bit more space by increasing that MPO may help with that.

Also selected receiver power level if it's reaching that compression limit. So you know, certainly we always want to fit the receiver power level level that's most appropriate for the hearing loss. But we know that sometimes people have really small ears. So maybe trying to fit that high power receiver in there, it's a little bit larger, it's not quite as comfortable. So you, you choose to go with a lower power receiver.

Well, that doesn't have, you know, as much mpo, you know, it goes on. It has less MPO than a high power receiver. So. And maybe there's a situation where you're not able to actually change that. So you can actually increase the MPO to, again, that instrument, just giving a little bit more space between those input curves for gain versus where the MPO is lying.

Now, this is one thing I just like to mention that if you do run into that and it has to do with fit or ear size, and you're like, oh, you know, that high power, it's. It's kind of large, it's not as comfortable. I need to go with a smaller size. Don't forget about the encase style, right? We can do an encase style on all those receiver power levels.

And getting just that custom fit lets it fit in the ear more comfortably for the patient and still allows you to give that power requirement that they need for the hearing loss. So, you know, don't forget that there's always those options out there when you're fitting. And then another thing would be a music program. So if you have a, you know, avid music listener or something, they go to concerts a lot. We know that.

You know, certainly the input levels at concerts are really high, which then, you know, translates into the outputs being higher. So again, just to try to give more room to allow for those higher outputs might be a reason why you might want to use that. So let's say you've modified that MPO and you've set it to the instrument MPO like we see here on the left side, and you think, oh, man, I didn't want to do that. I want to go back. Well, there's a couple ways where you can do that.

So you can always, you know, highlight the MPO and then use the arrows, the down arrow, to do that decrease or maybe you decide, oh, there's just certain frequencies I want to do that at. So you can highlight a particular, you know, frequency or two and do that decrease and bring it down a little bit just in a certain area. This is going to, if you do it this way, will preserve any kind of fine tuning of the. The gain for these input levels that you've done. So if you've done a lot of fine tuning, this is probably the approach you want to go if you want to try to change that MPO in some way, because then you won't.

You won't mess with any of the fine tuning you've done on the gain. But let's say you haven't. You just, you know, out of the gate you went and you set that to the use instrument MPO and you think, oh, man, I didn't mean to hit that, but I want to go back and you haven't really done much, if any fine tuning gain, then another quick, easy way would be to go under the tools and the recalculate. And if you hit this reset gain and mpo, it will put it back to the prescribed MPO for you. Just, you know, kind of again, that one click.

Yeah. The caveat being it also resets the gain back to the initial fitting. So if you have done lots of gain adjustments, not probably the method you want to use. If you haven't done much, you know, much. A real quick, easy way to get back there.

So just want to point that out for you. All right, so I'm going to kind of take you through a first fit for government services, right. So as you know, we pre program hearing aids to provide audiograms for you. So sometimes that can look a little different than if it wasn't pre programmed. So just want to kind

of give you a view of what you would expect when you get hearing aids for a new patient.

Initial fitting. So you're going to be, you know, launching into that patient file in Smart Fit. And we don't have anything connected yet, but you're going to go ahead and hit that connect to Smart Fit resound Smart Fit button right there in the middle. And then this is going to bring up a familiar screen, right, the assign instruments. So this is kind of carried over again.

Nothing really with the flow of the fitting has changed from previous. Just kind of that updated look. As the pre programming, we can see that they're linked and that's indicated here by this linked icon. They've been already assigned as the right and the left. They have, you know, our receiver and the ears have automatic receiver detection.

So it automatically detects which one's the right, the left, what the power level is, what the size level is. Got the serial numbers there, so they're already linked up here. So what you can do, if you have this little push button finger icon, which all of our newer, you know, are EAs and stuff, they're all going to have this little indication of the icon. Means you can use what we call push to assign. So you can just push one of the push buttons on the hearing aids and it will assign them as the right and the left for you or you also have.

You can always just hit assign and it will do that as well. Over here on the far right, if you really wanted a tonal verification beep that when you hit the beep will present that out of the hearing aid to beep which one's right or left. So that's still an option there as well.

And then once you hit that, either the assign or the push button on the hearing aid, it assigns it to the right and left navigation pane and you can hit the Continue in the lower right. That's going to bring up your physical properties screen. So again, we talked about automatic receiver detection in that the, you know, receiver tube, the size is already going to be identified and you actually can't change it in that

case unless you physically change the receiver. But you have the ability to select whatever dome you're using, you know, so you want to make sure that what's selected here is matching what you physically have on the aid in terms of the type of dome and the size. One thing to point out is when you see this little recommendation badge so that all that means is that it's what the dome that's recommended according to the hearing loss of the patient, you can completely modify that to whatever dome you're choosing to use.

Because sometimes, you know, even though the audiogram says I want this dome, there could be some other considerations that might want you to choose a different or that might lead you to choose a different dome for the patient. And then you would just update that as needed. And then you hit the Continue again in the blue, continue to draw your attention there to go on to the next screen, which is going to be the digital feedback suppression. This is the calibration for that. We recommend certainly that you always run the DFS calibration.

It is unique to each individual ear. So to get that best performance and that best cancellation ability, running that feedback calibration is going to be the best approach for any of the receiver power levels. You do have the option to just continue without it and use more of an baseline auto DFS that's available. And that's going to be true for all the receivers except for the Marie. So our Marie receiver, if you recall, that's the one that has that little microphone that's located on the receiver, sits in the ear canal.

And because of that uniqueness and how, you know, proximity of the mic and the receiver, in that case, we really do need to run that feedback calibration to ensure that you have the best feedback control. So that one you will need to run it for. But you know, as you, you will inform the patient what they're going about to listen to. And then you can hit this calibrate button that's in this lower right, it's going to run the calibration and then once it's done, you'll get the calibration curves here and you can hit the continue.

One thing to point out is that during that calibration, the hearing instruments, those microphones are muted.

And then once you hit continue and go on into the fitting screen, then those microphones will unmute automatically. So you're ready to go. And you can see that here where they're unmuted. Okay, so that brings us into this gain adjustment screen. This is where, you know, gain adjustments, advanced features.

This is where you're going to spend most your time. Right. Fine tuning. You know, that initial fit. If just, you know, whatever you need to do for that, maybe you're running your real ear, all of those things.

Once you're all finished again, that save button in the lower right to make sure that you're sending and securing all that into the hearing aids before you disconnect. And then during that save process, you'll get progress and when it's all done, you'll see the little green checks and then you know that you're okay to exit result in Smart fit at that point. So that's kind of the ins and outs of just that initial fit. Now we're going to switch gears here and actually going to switch into my fitting software so we can spend some time there and look around and kind of go into more details about maybe some of the things that are available here. So again, as we know up here we see this home screen that's available from within the fitting screen.

If I click on that right now, it's going to take me down back to. You know, we've seen this before in some of the slides, right. So you can kind of toggle back and forth. Now, I'm not connected in this particular. Just for ease of showing things, but you don't lose the connection if you toggle between the home screen and back into.

Back into the Smart fit.

Sorry. Here we go.

Oh, I did not want to save that. Okay, continue fitting. Here we go. I don't know. I'm clicking on wrong.

Here's that little. If your preferences have changed, you'll get that notification for automatic preferences. Since that popped up, might as well visit that. But you can toggle back and forth between your fitting screen and your home screen when you're all, you know, in within a fitting patient. So you can have access to those tools while you're doing the fitting.

If I go over here, I'm just going to toggle over here to this first one, which is patient. This is where you can change Your target rule. So we have Audiogram plus or we have lots of different, you know, some people prefer the NAL NL2. So you can select that preferred fitting rule there. You can select your user experience level.

So first time user is going to be the default. But if you have that experience user typically experience nonlinear or if you have a first time user and they really are super, you know, need a little bit even more comfortable fitting than what a first time user, maybe they're having some discomfort issues, you can use that onboarding experience level for them. And then gain level percent is just what is that percent of the fitting to that fitting rule. So again that 100% is going to be what it is for first time user. This is where if you choose first time user onboarding, that gain level percent gets set to 70%.

So you're just giving them a little bit softer of a start. For those patients that need that over here, you know, if once you know they've worn it and maybe follow up fittings, this is where you would access the data logging information. And then over here we have the resound assist. So if you're logged into your GN online services, you'd be able to access that Live Assistance or activate that for a particular patient. Now you can activate Live Assistance.

We have actually put that, that control for the, that they have to accept to use it. Right. The, you know that they're, they're willing to share that information online. That's all going to be in their app. So right.

They have to use the Smart 3D app in order to use on their end for that Live assistance. And they will, they will give their approval to an agreement to use that feature within the app. So that's no longer something that you do in the fitting software.

Instrument setup is the next item over here. And here we can see again a repeat of the physical properties is the first item. So let's say you've on that initial fitting, you know, you've selected a dome and then you've, you've decided, oh, during the fitting you're going to change it to something else. You can do that and come here to physical properties and do the update here in the details over here. That's going to give you kind of access to the features and specifications for a particular product that you're fitting.

This is grayed out because I'm not connected. But when you're connected, this is also where if you needed to repeat DFS calibration, you can access that from right here. There's kind of a Few spots you can do that, but that's one of them. The gain adjustment screen. Again, this is what we talked about where most of your time is going to be spent fine tuning.

You have your programs here on this line. You have the inputs, three input levels for the gain. You have the mpo. You do your increase to anything that you happen to be highlighted on. So if you highlight everything and you use the arrow in this case it's set to one db change.

But you can do two or three at a time and increase or decrease. Whatever's highlighted is what you're changing. So you can do all, you can do a particular frequency we talked about, you know, the mpo, you can do a particular one there. You can do a whole frequency handle, you could do a whole input level. So.

Or you can click and drag. Let's say I just want to do maybe I want to just do some of the high frequencies. So just know that whatever you're highlighted on, that's what you're changing in here. We, we talked about that display option again. That's where you find where you can change between gain and output views.

Percent level gain. So let's say you don't want to make the gain change down here. You're on this and it's a first time user and they're saying oh, things are too loud and you just want to kind of take that gain down a little bit. You can do it a percentage right here. And that's just like kind of a quick easy button to do that with.

If you needed to mute or unmute. That's located in the center column here. Now that's all on the fine tuning screen. If we go over to this next item here, we have Environmental Optimizer. So Environmental Optimizer is going to be that automatic change to gain based on our environmental classifier.

So as the person goes through their day and they enter these different environments and there's, there's seven of them here. There's quiet speech, that's soft speech, that's loud speech and noise moderate speech and noise loud. Noise moderate and noise loud. It will make these small gain adjustments as they carry on through their day so they don't have to mess with any kind of volume control. It's doing that automatically for them.

Next item over here would be Acceptance Manager. So in Acceptance Manager you can, this is where you can set that for acclimatization. So if you have the gain set to where things are need to be like maybe let's say you've done your real Ear, but they think that that's too loud at this point because they're a new user. You can choose your duration for how long you want this acceptance manager to run. And then in this case, this would be like you have it set to where you want it, but we need to back it down a little bit.

It's too loud. You use the little slider to determine where it's comfortable for them. That's where the starting point would be. And then you activate it over here and then that would take place. And then over that period of time, whatever you've selected, it will gradually increase the gain to where they need to be.

This is probably the most common option that you're going to use here. However, you do have the ability to set the gain values to be at a comfortable level and then choose a percentage of increase over that to get them to some other kind of target that you have. So again, I think most often, probably most people use this option, but know that you have both options available there. All right. On this fine tuning screen again, it's going to kind of default to these three programs all around, which is going to be that automatic listening program, right?

This is the one where it's going to use the 360 all around. It's going to automatically make. Make changes to microphone modes as the. You're going through. As the patient's going through their day.

It's going to make automatic gain adjustments. It's going to make automatic noise reduction adjustments. So this is kind of that main listening program. Put it in. Forget it.

All these changes happen behind the scene according to what's going on in the. In the environment at the time the hearing noise. This is going to be that kind of that patient selected. Oh, I need a little bit more help when things are really, really, really noisy and I need to hear the person in front of me. So that's the intent of that.

Has some different settings that we'll look at when we get to those advanced features and see those differences. And then it does default to an acoustic bone program. And let's say you're somebody who, oh, I just want the all around in the hearing noise. I just want to get rid of this third program. If you use

the drop down, you can say remove program.

It goes away. Comes a plus sign. Oh, shoot, I didn't want to do that. I want to add it back in. You use the plus sign to add it back in.

So that's kind of adding and deleting programs there. Over here in the Tools menu, we have you could reorder the programs. So let's say you wanted your, you know, a different order for these. You just highlight and increase or decrease and apply it. We're going to leave it as is.

They also have that recalculate that we showed you. So let's say, oh, you've made some changes and I just want to start over. I just want to start over with initial fit settings. You can reset it. Just the gain in the MPO that we looked at before to either a current program or all the programs and both are either ear or if you hit this reset all fine tuning then what this is going to do is it does like the advanced features get reset as well.

So just know that there's that difference there. And then you'd hit recalculate.

Also under the little tools here is autorelate. So let's say you've spent tons of time programming that first all around program. You want to apply those same types of program changes to, you know, the second hearing noise program. You have an ability to select different features that you would include there and whether you want to apply that to both ears or right or left only.

And then the other one down here is the manage program name. So this is kind of comes into display into if people are using particularly the app, right? And so what they would see on their app screen, maybe you want to change the name of the program to be more specific for something for them. You can put a new name in here and then save that, you know, up to 13 characters. Otherwise it gets truncated.

So keep that in mind. But when you do that, one thing to point out is that it changes for the, for the patient. So they see this in the app, you know, they. You're not going to see the change here. The software will offer you will always say all around or hear a noise.

But what they see in their app would change for them to be able to use that or see that differently.

Okay, so if we go over to advanced features, the first item here highlighted is the speech tab. So this sub menu, this tells you basically where you can come to adjust your directionality, directional mix the time constants. And if you're going to use the frequency lowering which is for us called soundshaper. So in the allaround we talked about this is that automatic program. So the default here is going to be that 360 all around directionality.

You can change to something else like a soft switching or an omni. But you know, really to give the patient the best directionality. That's going to really work the automatically for them in the, in all these situations. Right. It's the premium directionality.

You know, we certainly would recommend keeping it on the 360 all around. One thing I want to point out here is you'll see something called omni and then you see spatial sense. And what I wanted to tell you is the difference between these two. These are both full time omnidirectional programs. The difference being if you have spatial sense, you're going to have the spatial cues associated with that omnidirectional program.

Where this omni is just traditional omni, it doesn't incorporate any kind of like pin restoration or any kind of pin acutes. That that might be kind of that more advanced thing. You would choose the spatial sense if you really truly wanted a program that had just an omnidirectional functionality. When you're in a directional mode, we have what's called directional mix. So this is the basically in all of our directional

modes we use multiband directionality.

And so we have a split between low frequencies and that mid frequency handle where the beamformer is applied and where that split occurs is based on what this directional mix is. It will so that everything omni to that frequency or everything up to that frequency is going to be processed omni. Once it hits that, then we get into that beam former directional mode from that point. So this default setting here for directional mix is going to always be based on the patient's audiogram and the hearing aid that they're using. So for the most, I mean typically, I think what we've seen historically, most people don't even need to come in here and adjust this because it's actually set according to the best option according to their hearing loss.

But know that you can come in here and let's say in the case of, of they say, oh, you know, I just, I wish I could, you know, hear maybe a little bit better. When things are noisy, you could give them more directionality. When you increase it like let's say to medium, you'll see that bar appear. This just gives more of a frequency range that's directional and less that's omni. So when I go back to low here, you can see that bar is at a little higher level.

So you have more omni versus directional. So again you can kind of play with that and get that best setting for the patient. Time constants are just the attack and release time of the compression system. So we choose syllabic as a default for really most of the programs, you know, except for like the noise, we're going to slow it down for the hearing noise and we'll look at those settings in a minute. Music would be another one that we would want a slow setting as a default.

But you can always adjust this according to whatever your needs are there. And then the sound shaper frequency lowering feature, we always default to off. We leave that in your hands to determine who's going to best benefit from that type of technology. If we think like the audiogram maybe supports, we will like bold recommended option to choose but know that it's always going to be off. So for this

audiogram I have in here, it's actually bolted off because that's what's recommended is just to leave it off.

If I click over here on the hearing noise, this is. I just want to point out directionality. We have it set to the front focus. So front focus is going to ensure we have that best beamformer focused on the front reduction elsewhere. It stays in that binaural beamforming.

It's not going to automatically change to different microphone modes like it does with the 360 all around. So this is the patient saying, I need help in this moment. I'm going to go to my hearing noise program. I'm going to lock in that binaural beam former and I want to focus on that person in front of me if you notice. Yep.

We set that directional mix to high. Why? Because that high setting gives us more directionality through the frequency response. So again, trying to help in that noisy situation, giving them more directional processing versus omnidirectional processing. Time constants I mentioned they slow down.

That seems to help. Research shows in those noisier situations. And then again, sound shaper is going to be off here. If I go over to this comfort, I'm going to go wait back to all around and then go to comfort. So we can kind of talk here.

This is going to be some of these other advanced features. So the DFS Ultra 3. Right. Once you run that calibration, then you have these choices between mild, moderate, strong and music. If you don't run it, you'll see something below it that says auto dfs and that's what you would be using until you would run the calibration in the patient's ears.

The noise tracker too. That's our noise reduction system. We default to the per environment for the all around program. Because what is that going to do? Well, if I click this little tog wheel, it looks awful lot

like that that environmental optimizer where it automatically adjusts the gain, we are automatically adjusting the noise reduction in that per environment setting.

So again, across those seven environments now they have automatic microphone mode changing, they have automatic gain changing, they have automatic noise reduction happening based on that environment. Wind guard. So wind guard is going to help with wind noise that's going to be adjustable here in the advanced features. This is where if you have a Marie, Marie takes care of that. We don't need this wind guard feature.

If you're using the Marie receiver, right, that little microphone's tucked in that ear canal and it's being provided that natural wind noise reduction. So it's. There's not a need for a separate processing algorithm to help with that. But if you're using a different type of receiver or a different kind of product, well, we still want you to have that control. And it's going to do, you know, a pretty good job in providing that Wind noise reduction studies have, that we've seen, that we've done and kind of that the National Acoustics Lab repeated really show Marie does provide even more wind noise reduction naturally than what we can get with the wind guard.

But definitely for those standard receivers, wind guard would be able to help help in those windy situations. Impulse noise reduction. So this is going to be those really impulse noises, those sudden, you know, high frequency dishes, clanking, things like that that really can be jarring. Impulse noise reduction will help reduce that. And then expansion is going to be for those really low level noises.

So this is going to be things that are really kind of too low for like maybe a noise tracker to really pick up on. This is going to be more like ambient room noises, fan noises, refrigerator, things like that that are very, very low level most of the time. People who have very good low frequency hearing are going to benefit the most from having this expansion because they're able to hear those very low level sounds and where people who have more significant hearing loss in the low frequencies tend not to hear them

that much in our or not bothered by those types of sounds. But know that you can always, you know, adjust this expansion for those needs. Next up or sorry, we're going to look at next up here hearing in noise and just to see how kind of some of that stuff compares with noise tracker.

Again, we're trying to set this into a noise situation, right? So we don't want it to be automatic in this situation. We want to lock it into a noise reduction setting. We default to the moderate here for this particular audiogram that's in here we, if we're in a noisy situation, we're turning that wind guard off, but we still have the impulse noise reduction going on. And then again in noise, probably expansion is not going to be really noticed in that situation.

Or those low level noises aren't really going to be noticed for the expansion. All right, next up here we got tinnitus sound generator. So if you're needing to use that type of feature for your patient, that's where this is where you're going to find it. You can turn it on. You have to turn it on per ear.

Just to let you know on that you have the option of nature sounds. Or if you turn nature sounds off, then you have just presets for white noise, high frequency, pink noise, speech noise that you can choose. Those come with specified ranges according to what defines a white noise. And if you make a change to, you know, that frequency range, now it's going to change to the word custom because now it's a different range than what would typically be associated with a white noise type of range. You can set the level here.

You can choose an amplitude to modulate that tsg sound. And if you choose a modulation, then you can do a slower, faster, medium modulation. And then you also have the ability to set whether you want the volume control just to be that stimulus level or if you want the environmental steering to happen. So again, based on what the environment does, it'll automatically adjust that stimulus level. So if they're in noise, less TSG will be used because the noise is kind of taking care of some of that just naturally.

If they're in quiet, then we would expect a higher TSG level in that case. And that's where you would activate that.

All right, and then next up here we're going to. I'm going to move my little bar here. Out of the way is. You see a. It says cross there.

I sorry, I can't move my little screen thing here. And it's grayed out. And that's because you're only going to have access to that in the event that you're doing a crossfitting, then you would have the ability to adjust across the cross how much is being, how much sound is coming from the cross side versus the hearing aid side. It gives you a balance control in there. There.

All right, device controls is the next thing up in here we have manual controls. So this is going to be where you can enable or disable your tap control. So tap control is when the patient, if they can use just tap the Hearing aid to answer the phone. We know that that's not maybe designed for every patient that you see out there. So you have complete control over who will have that feature or not.

So if it's enabled, you'll it'll be active for him or you can uncheck it and then that turns that feature off hands free. Control is another one of those things that we want to give you control over. We know that some of your patients can't have that type of feature. So you have the ability to again, disable that if that's not something that you want them to use or maybe they can't use. So you have the control and the fitting software for that.

And then push button options. So the ability to configure the short push versus the long push on that push button. This gives you the right raise, left lower. You can have change program options and you can have activation of streaming. What we mean by that is if you're using wireless, the like original generation wireless accessories or the new generation, this gives them a way to use the push button to access that wireless accessory when they want to use it.

So with the right raise, you can, for either one of these options, you have different, you know, options that you can set. If you choose the volume up, which is going to be the default, the other side automatically is the volume down for the short push and then the change program is going to be the long push default for the right ear and then the left ear default. Is that activation of streaming. One thing to caution, we kind of recommend if they are using streamers to leave one of these as the the streamer option and then leave the other one as the change program. Because for instance, let's say they need to connect to their TV streamer and you have both of these set at activation of streaming, where they could use either aid to do that.

They wouldn't be able to get out of the streaming using the push button. You know, if they had the app or something like that, they could certainly. But if, if the intent is that they want to use the push button for that, you want to make sure you give them that control. So the way they would stop the streaming is by changing the program and then that would take them to a program and the streaming would be done. So just keep that in mind.

If you're just configuring the push button, they're not using any other kind of like app or anything to do that type of adjustment. Just keep that in mind that it's recommended and make sure you have that Set up that way over here. Standard beeps is where you can change, you know your frequency beep tone. You can change the level of the different various beeps. The little arrow here indicates this is where you would be able to demonstrate that for someone.

So you have access there. Accessories. This is where you do all of your can do your impairing of the accessories within the fitting software. So you have the new generation one or the previous generation one. So all that can be done right there.

Finalize. This is where you can come if you want to maybe set up reports, select features for either your report or for something to hand to the patient and then you can print that for them, save it as PDF and print that for them in that area. And then we are going to quick go back just real quick here and see if we have any questions that have popped up that I can answer before we close here. Because I know that we are getting close. I don't see any questions here.

So we will quickly go back to that main PowerPoint just to close out here and I will thank you all for taking time today to join me. And I just want to just point out here's our phone number, our website, any questions pop up. We have a whole team of people who just actually really do love talking to all of you. So they're there, they're your resource. They will give you all the answers, they will find any answer that you need.

They're really a great group of people. So please, you know, anytime you have a question, please reach out to them. Thanks so much for today. Hope you have a great rest of your day.