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Target 6.1 and Marvel 2.0

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- [Alyssa] Good afternoon and thanks for joining as we go over the topic Phonak Target 6.1 and Marvel 2.0. My name is Alyssa Ricevuto and I'm going to guide you through this journey today. I do have to disclose that I do receive salary for employment from Phonak and I'm going to go over all of our learning outcomes today. We're gonna be able to go over the new software updates for Target 6.1, you'll be able to identify the new Marvel 2.0 feature updates and the corresponding program changes in Target 6.1 and be able to identify the changes that we made to Roger, including Roger Direct and Target 6.1. As we go, if you have any questions, please put them in the Q & A on the left hand side of your screen and I'll get to them as soon as I see them. And we're gonna go over a lot of part numbers, a lot of literature pieces that we do have available. They're great for you, they're great for patients. And I did put the part numbers in that left column under notes. So you can feel free to order as many as you'd like for the office. That's a courtesy that we can send out to you. I first wanna start out with that mandatory firmware update that you're gonna get.

So the Target 6.1 is required from Marvel 2.0 and the firmware update is mandatory. So any Audeo M devices that come back into your office, you will have to... It's a forced update, so you'll have to update the firmware in the Target. And this new update is going to allow for pairing of more than one Bluetooth device at the same time, for RogerDirect connection, for PartnerMic connection and for self adjustment via the new myPhonak updated remote control app. So just so you know your patients pairings and the settings when you upgrade them, they will be kept, it will not wipe them out, it will not wipe out their connections or their pairings. But now with the Marvel 2.0 update, it will unlock so many more benefits that they can use when they connect. Just as a reminder, when you do update, check on your Noahlink wireless, I know I had to update my firmware in that and so it's a quick little update and then you're ready to connect all the devices and it works a little bit faster in my opinion. Another reminder, so trial devices replaced our demo devices. So you can use these for multiple patients, multiple levels of technology, make it a 30, a 50, a 70, a 90 level. If you do let your patient leave the office and the settings are saved in there and will start

to expire after six weeks. So becomes a dead device. But if you do have these trial devices in your office, just a reminder, when you hook them up to the computer, it will make you do that mandatory update of the firmware. So we still are the only company that makes hands free direct connection to both Android and to Apple iOS. And now with Marvel connectivity, it's unrivaled because there's no restriction on our protocol or operating system and that really makes Marvel so unique. And with the Marvel 2.0, we cannot deliver more of what you've asked for, what your patients ask for, more connectivity and it's even easier. So your patients are now able to be paired to two devices, Bluetooth devices at the same time without one connection being active. And this makes switching between your devices simple and easy and very unique in the marketplace. In addition, with this new Marvel 2.0 update, hearing aids are now also able to be connected to two TV connectors at the same time. So Bluetooth, two pairings at once and then with our air stream technology to TV connectors all at one time. This is one of the part numbers I was talking to you about, the Phonak product overview.

So this is a nice overview of our current product portfolio and it's going to include our five full form factors for Audeo M, our two Bolero M form factors and then our two that are listed that will be three Sky for our pediatric patients, technologies that will be available, Naida B. So if you're looking for a superpower, you're gonna still stay on the Belong platform and if you're looking for something custom, we're still with Virto B on the Belong platform. This is another part that's available on our literature part numbers. And all of our adult hearing aids are available in all four levels of technology. And this really gives your patients the flexibility at any price point to wear Marvel to get that great connectivity, no compromise and be able to stream through all of our accessories that we have available now. So let's talk a little bit about all five of our technologies. So we launched the M-312, our most popular is the M rechargeable and then we came out with the M-312 telecoil, we came out with the M-13 telecoil and now we have the all in one solution, no compromise solution with the Audeo M rechargeable telecoil. So our 90 level technologies are available now and then our 70,

50, 30 level technologies, those will be shipping in November. So you can pre order those right now. So again, there's no compromise with the Audeo M rechargeable with telecoil. You got rechargability, telecoil, direct connectivity to anything Bluetooth, the capabilities to use RogerDirect, binaural voice stream technology in our 90 level hearing aid and hands free phone calls all in one solution. For patients who prefer a BTE form factor, we do have two form factors available. The Bolero MM is out now. The Bolero NPR will be coming out in November and these are fitting ranges for both technologies. So IP68 rating on all of our devices including our Marvel BTEs. I always like to give myself a refresher that despite the trend in fitting rec products, there is still a place for BTEs and it's something that it's a good thing to consider for patients who might prefer an easier to you style, a more durable style. Maybe they're worried about the fragility of the requires or the receivers. Maybe they've worn BTEs in the past and they're just comfortable with that. And then BTEs are also good for patients who are less concerned with like size or aesthetics.

So I always like to leave that as a reminder 'cause we're so used to fitting rec devices. Sky Marvel is the world's first for a lot of different things. So we do fit kiddos and we have our own operating Sky OS platform, which will automatically classify a child day. In all form factors you have RogerDirect capabilities. So we currently have the M, the zinc air 13 battery and then we'll have available in November the PR, so that will be our rechargeable solution for our kiddos. And then we'll have the SPE which will have a superpower 13 battery and that will be out in February. We can do the world's first operating system that's specifically designed for children, the world's first pediatric hearing aid with direct streaming to Roger and it's a world's first pediatric hearing aid that directly streams to Android and to iOS as well. So great options not just for kids, but anybody in a school system or school setting, teachers, parents who go to schools a lot or help out in classrooms, para professionals, principals, it's a great solution for someone who's being cared for by someone else because you do have a visible updated light pattern that tells you if the device is working or not. So not just for kids, somebody who wants fun colors, it's a great solution for them as well. So for people

who you want clear rich sound, it does connect to our TV connector, to all of our accessories that we're gonna talk about, you can get a rechargeable option and Sky has been redesigned for those little itty bitty ears. We now have a smaller double zero slim tube so we can fit down to even the tiniest ears to really fulfill the hearing needs of anybody with any size ears. With the launch of our BTE, we have a new charger BTE RIC kit case that you'll be getting and it'll be shipped with. So only the RIC form factors will fit in that mini charger, in that combi charger that it comes shipped with and is it eligible to snap on that power pack, but you'll get this kind of ostrich egg size charger, very portable, does not have a power pack option, but a great way to house your technology, recharge your technology on the go, but that will be your mainstay that you'll keep at home and charge all of your BTE rechargeables with. When we launched Marvel 2.0, we also opened up our cShell titanium as an option for any size receiver.

So this is the receiver option that's completely encased that you do need to send a mold into us and we'll build for you. It's a great option. And like I said before the slim tube, now whole new kit, but we can go down to a size double zero for those teeny tiny ears. So this introduction of the cShell titanium. cShells are traditionally used for those patients who need a better acoustic fit primarily to reduce feedback, increase gain, but some other benefits for the cShell titanium are great for patients who have really small ears, who need an ultra power receiver or for patients who need a mold that's hypoallergenic or patients who just have occlusion issues. Because it is 75% thinner than an acrylic shell, we can build the vent a lot larger. So it's a great option, lots of benefits with the cShell titanium. Another update in Marvel 2.0 you may or may not notice is under the instrument tab and then acoustic parameters, you can actually select cShell and it'll show you a true cShell titanium or a cShell acrylic that we weren't able to see before. Whoops, I jumped ahead on the, I'm sorry. And then when you're fitting Bolero or Sky, you'll select slim tube and you're able to select the length down to a double zero. So we weren't able to do that before and now you have that flexibility, just for record keeping and just to keep everything consistent in your follow ups. Another part that's really helpful, this is a RIC coupling guide as well as there's a BTE

coupling guide on the other side. It really gives you the lay of the land for everything we just talked about in addition to that cShell titanium that we just launched. We have some in office changeable options like the slim tip acrylic, direct secure fit made out of silicone which is number one of my total favorites, it's really easy to use and very comfortable for all day wear. And we also have some tip titanium, so again feel changeable options, but the cShell either acrylic or titanium, that's completely encased and you need that for an ultra power receiver. And you'll see that all on your coupling guide as well as the BTE coupling guide that gives you options for your filtered and unfiltered tone hooks, all of your dome options and your fitting ranges for Bolero as well as Sky and of course the fun colors of the tone hooks as well as the form factor bodies that you're able to order for Sky Marvel devices. So this isn't showing up on my end. Oh there we go.

So we went over all the form factors, from Audeo RIC to Bolero and through Sky. And now I wanna talk a little bit about our new wireless accessories to add to the TV connector D. So we didn't have too many accessories to offer in the past and now we have a couple more just to keep in your bag of tricks. So for patients who wanted and requested a handheld tangible remote control, we have that now. For Marvel, you have this Phonak remote control, super easy to use, all of our accessories are going to be paired outside of the software, so no need to find that cable like we had to in the past for that pilot one, two. So with the Phonak remote control, you'll turn on the hearing aid and press the plus at the same time as you close the battery doors or put the hearing aids at a rechargeable and pairing mode. And voila, connected, super simple. It's a nice lanyard to go around the wrist, you got a plus up and down for volume as well as the ability to change programs if you've given them programs. So a great solution, this is available now. It's a nice addition to patients daily life, daily use, even if they use the remote app or the myPhonak app. That's the update that they still wanted a handheld remote and that is available. And then my other favorite option is the PartnerMic. So this is for one on one conversations, not meant for groups and it's not to be compared to Roger because it doesn't have Roger technology. It does use air stream technology.

So in addition to your two TV connectors, your two Bluetooths that you can have paired at the same time, you can also have a remote control and this PartnerMic paired to your Marvels all at the same time. It's directional, so it doesn't matter what direction you put it in. It can be close to your mouth, it's best to be about eight inches from your face, but the closer it is to your mouth, the easier it is for the other person to hear you. The distance between the listener and the speaker can be up to 82 feet. So huge distance, it can be used for six hours with a simple two hour charge. So PartnerMic is available now, I highly recommend you just getting one for the office and using it as a demo. It sounds amazing. It's a great way to improve that signal to noise ratio for your patient that maybe doesn't want to invest in Roger. Simple pairing, if you're familiar with TV connector, it works very similarly right out of the box. The first hearing aids that it meets when you turn on the PartnerMic it connects to and then for the subsequent devices after that, if you want to just demo it in the office, then you'll just turn it on and hit the pairing button on the side right next to the hearing aids and connected immediately. So really easy to use, extremely easy to demonstrate in the office and just show your patients what that improvement and signal to noise could be, which is up to 20 decibels.

I wanna go over some updates to the program manager that you should be aware of with Marvel 2.0 update. So you'll see now on the left hand side, previously, we had the complete control over the automatic programs. So you could change everything independently in AutoSense program. Then you could independently change your speech and your music inputs when you're streaming. And it was all by itself before that little phone call, but now it has two new friends, the PartnerMic and the RogerDirect. So those are all in the same area together. So if you do wanna make some changes, then you can highlight PartnerMic and then under the fine tune in tab and the program options, then you open up your ability to give your patient more customization. So automatically by default, all of our accessories are automatic, but you can change them to manual or manual with a beep, meaning once it's turned on, your patient will get a beep alert that the device is within range and then they can press

the button on the hearing aid to activate it. You're also able to change the microphone, maybe you want more or less background noise or more or less microphone input so you can change your distribution of that and apply additional sound cleaning features. When block, whistle block, sound relax, noise block, all of those are adjustable and all of those you can change in addition to the changes you can make in the hearing aids alone. So a lot of flexibility and that's all based on the new Marvel 2.0 update. Another thing you'll notice is an updated program button behavior. So we did simplify our button behaviors in our first launch, but now you can visually see what the streaming mean. Okay, well, it means the TV connector, it means Bluetooth, it means WiFi, it means now that PartnerMic. Phone call, what does that mean? It means Bluetooth. So you'll see a couple new icons when you're on that device options tab under that first button behavior page. So we know the study was completed in Goldilocks approach to hearing aid, self fitting and user interactions.

And we know that patients who have control over their instruments reported increased satisfaction in wearing hearing aids. And so because of this, we've made changes to the myPhonak app. So for anybody who's been using Marvel, anybody who's had this app, delete all apps, we're gonna go now all in one place, everything's going to be housed under the new myPhonak app. So have your patients, even if they've used it as of last week, have them delete their app and then re-pair to this new myPhonak app. So everything will be housed in this one place. So you're gonna see that you'll have a remote control option, a simple remote control, a more detailed, more personalized remote control option. You'll have your remote support if you're using remote support all in one place under the myPhonak umbrella and then you'll have the hearing diary housed in the same place as well as information about your hearing aids. So everything's been combined into one in the myPhonak app. So we created this myPhonak app, we've created this updated personalized experience because you've told us that patients want this, patients have told us that that they want this. So now they can really personalize the device. They can still use the simple remote if they wanna just change volume, they wanna just change programs, but now you'll find in

the bottom right corner, there's three little lines. That opens up to this more personalized hearing experience. This new more advanced fine tuning app will let your patients make their hearing experience and their hearing journey more personalized and feedback so far has been really, really positive. I'm gonna go into some details about what each section does. So now you will see that your patient will have some program options, even if you didn't give them programs, they'll have three presets, they'll have a restaurant, they'll have a music, they'll have a TV. And they're able to toggle between AutoSense iOS, between Roger, between those three programs that were already preset and they are based on the information that you've put in as well as their previous settings. And then any programs that they have made, they're able to save and those are kept here as well. And then within either of these scenarios, they can control frequencies, overall loudness, noise reduction, speech focus, dynamic adjustments for soft and loud sounds.

And so let's go over those and just give you an idea of what they all mean. So of course overall loudness, when you move the slider to the right, it will increase the volume by 12 decibels and then when you move the slider to the left, it will decrease by 12 decibels, if your patient has that type of headroom in their technology. Noise reduction will affect noise block and so moving the slider right will increase the strength of up to the maximum strength and then moving the slider to the left will decrease the strength all the way to off. For focus, that will give changes to the microphone directionality. So when you move the slider to the right, it will change the mic much more of an ultra zoom and then moving the slider to the left will change the mic more to more om the directional. And then dynamic, when you move the slider to the right, it will increase soft sounds while keeping moderate and loud sounds constant. And then when you move the slider to the left, it will increase loud sounds while keeping soft and moderate soft sounds constant. So then I think it's not on here. Let me see. I'll go through all those. I think there's a couple more though that aren't on screen. So there's a base modifier and that's similar to the mid and the treble modifier. So moving the slider to the right will increase the base and moving the slider to the left

will decrease the base. And then environmental balance, if you have them connected to a TV connector or RogerDirect or a telecoil or a PartnerMic, they will have access to environmental balance when they're streaming. So that's all here and that's all in the new more personalized hearing experience from Marvel 2.0 as well as the new myPhonak app. If you use remote support, this is where your patient will go when you've sent them the invitation to begin that process. So it's all under that myPhonak. And then this is again, we use a synchronous approach, real time, your patient is live when you are alive and you can connect to them wherever they are. The myPhonak app will also have hearing diary. So if you haven't used this, this is all housed under your myPhonak, your Phonak pro login. And it gives your patients that... It allows your patients to share their feedback with you in little happy faces, little sad faces and then a close set of options like they're happy with sound quality or they're unhappy with sound quality and then you're able to interact with them and send them notes back or call them and be able to schedule either an in person appointment or remote support appointment based on the these findings. You'll also get an email if it's something very negative. If it is a super sad face, then you'll get an email alert, wherever you've registered your Phonak pro account, that email will get an alert that your patient is dissatisfied and so you can intervene again. Under the new myPhonak app, my hearing aids will be there.

So it lets you edit your programs. If your patient wants to name them certain things, they can edit that there. They're able to check their battery drain, their battery status, how are they doing with their rechargeable and they're able to change the device on off behavior. So if they have rechargeable by default, it comes on out of the charger. If a patient wants to change that, they can change that here on the screen. And the newest update is you can change call handling between a fixed behavior or an adaptive behavior and so there's no need for your patient to come back into the office if they're having dropped calls or trouble on the telephone, this is something you can over the telephone troubleshoot with them, have them change the call handling and it will reduce their need to come back into the office to see you in person because they can

do this on their own. So again, more to love with Marvel, we went over the form factors, we went over the two new accessories, we went over the new myPhonak app. I wanna talk a little bit about Roger. And so for those of you who are not familiar, we'll talk about Roger, we'll talk about the new Roger IN technology, the installation required to use Marvel directly with Roger and we'll get you feeling really comfortable with it. So Marvel now adds this fifth streaming protocol of Roger which is also backwards compatible to previously sold Marvel devices just with this firmware update that your mandatory, you have to mandatory update. And Roger is a proven proprietary protocol. It's based on a 2.4 gigahertz band which is originally launched in 2013. So it's been out for a while. And then without the need to attach an external receiver, I think I wanna head to four, there we go. Roger streams directly to marvel hearing aids after just a real simple installation process. So now we're making Roger... Roger's proven performance even easier than before. Forgot this little guy was in here.

So this is our Sword 2.0 chip and so now with Sword 3.0, we're able to have all of these connections. So I like to go over them because this is how we're able to have and support all five protocols. So we have Bluetooth classic, that's going to give you your two paired connections to anything Bluetooth, for telephone calls and for picking up and hanging up hands free phone calls. The Bluetooth Low Energy protocol is what you're connecting your wireless to, your remote control, handheld remote control and then your telephone remote control to. And then we have air stream technology which is Phonak's proprietary streaming to connect the two TV connectors or a PartnerMic in one TV connector. And then we have binary voice stream technology which is available in our 90 level technology automatically and our 70 level manually, that's that really tight beam former that improves signal to noise in a difficult to listen environment. So that's available in the Sword 3.0 chip. And then we have Roger proprietary connection with this new update, RogerDirect. So the way I like to talk about Roger is when hearing aids aren't enough. So sometimes hearing aid is fine and quiet when you're close, you can switch between ultra zoom, stereo zoom, with our proprietary stereo zoom feature in our 90 level, like I said, or the 70 manual program. But when distance

gets in the way, when noise gets in the way, when you're further from the sound source, that's when Roger and now RogerDirect are very helpful tools. RogerDirect is going to let you get rid of all that bulky hardware and directly connect your existing hearing needs to any Roger microphone. So let's talk about the Roger microphones. There's a couple to choose from. The one that I'm very favorable towards is the Roger Select and now the Roger Select IN. We also have the ability to pair directly the Roger Pen or the Roger Pen IN. We have clip-on mic capabilities and we have the table mic II as another option which is great for our workplace. And then those of you who work in a school setting, maybe have seen the Roger touchscreen mic that can also be directly paired to Roger. So the biggest difference with Roger and maybe a PartnerMic or remote mic, is the ability to have the adaptive microphone. So we can get up to 20 decibel signal to noise improvement, but it's adaptive. So as the noise level in the room grows, the microphone input grows, so we're able to hear above all the background noise. So that's why it's not really something you can compare to a remote mic or even our PartnerMic, you remember the PartnerMic is really great. Roger gives you additional sound cleaning, additional noise cleaning, additional boost of that signal or the noise that you just really can't compare to our remote mic capability.

Let's talk about all the options now that are available with the installable receivers that you need to connect to the or install on the Marvel to make this microphone directly connect. So let's first talk about the pen. The pen is a great option. It's convenient, it's great to be used on the go. It's excellent when you want to have it in your hand and use it in interview mode so you can point it at somebody, you can wear it on a lapel mode or what I call a lanyard mode where it's hanging around your neck. And then when you set the TD Roger pen on the table, it will open up into 360 degrees and then when the noise level hits about 70 decibels, it kind of closes up into more of a stereo zoom. I call it a flashlight behavior because it will beam at whomever is in front of you. So great functionality, very mobile option for patients who want maybe some more flexibility and want easier handling. This is also universal so it can be paired to other manufacturers and it can be connected to anything that's a cochlear implant, anything

that has an audio input. So Roger is compatible with other companies as well as cochlear implants. And then lastly, I would say that each one that we talk about, so the pen as well as the table, as the Roger Select has a hub that you're able to plug into the television. So you're getting this remote mic capability as well as a TV streamer, all in one. So Roger Select is my favorite. It was launched last year and we're using multibeam technology. And the improvement in multibeam is going to give you a lot of flexibility to have an ease of use for your patient. Maybe someone wants this that isn't tech savvy, that's totally fine. They can set it on the table and in the 660 degree beams, it finds the loudest noise source and it reduces the background noise. It's kind of like the game of Simon where you can press on top of it and select what beam you'd like to pick up sound when it's sitting on the table. Super simple to use, very easy to manually change those settings.

This is used in a table mode on a table where it's automatic or a table mode where you will manually change those beams or in lapel mode. So because there is an accelerometer inside, once you put it up to your body, it beams up to your mouth and it picks up you and reduces all background noise. Usability of this is amazing, super easy to use. And now with this IN option, you can install the information into the hearing needs and use this directly with your Marvels. You don't need a TV connector when you're using Roger Select or Roger Pen because it does come with that hub that you plug it into and a multimedia connection where if you wanna hook it into your iPad and not use one of your Bluetooth slots, then you have that flexibility and functionality. And again, like all Rogers, it is compatible with other manufacturers' hearing aids and the cochlear implants. I also wanna talk about the Table Mic II IN because I feel like nobody talks about this very much and it's a great option for the workplace. It's often purchased through an employer for ADA compliance or just to improve their ability to communicate in a long table or a big conference room. It helps the patient be directly connected discreetly because unlike the Select, there are no lights that will light up. So it's just a small box on the table. You've more battery life with this Table Mic II compared to the Select. You have about 16 hours with the Table Mic versus eight

hours with the Select. So it does get you through a full day of work. We're still using that multi beam technology but instead of pressing down on those 60 degree beams, you have a more discreet small handheld remote control that you can use to change the polar plot of the microphones. And like all Rogers, it is compatible with other hearing aid manufacturers' hearing aids and with cochlear implants and BAHAs. So very flexible option. And in the workplace, I put a couple visuals of how we can network all of our Rogers together. So they do work. Multiples can be paired together. Multiple hearing aid wears can be paired to one Roger. So there's a lot of usability whenever you need it, in a workplace, in an assisted living facility, multiple options for use for your patients. And then a question I get a lot is, why would you choose Table Mic II over Roger Select? Well, you have options? What is the patient need? Do they want something that will last a little bit longer battery life? Do they want something that's a little bit more portable? So there's a lot of options and there's a lot of solutions so you can make the best decision.

And then again, multiple mics can be paired together. So all of these can work together at the same time. So if your patient does have that need, then it's something that we can definitely do. We make a multi talker network and then all of our Rogers can be paired all at the same time picking up all the voices from wherever the speaker is. So we've talked about all of our mic options. Let's talk about the benefits when we use RogerDirect technology. So now with RogerDirect, you and your patients can truly experience a no compromise solution for any hearing environment. In the past we had external receivers. It made the hearing aid long, it made the hearing aid bulky, but now you just have this one device, no external receiver, the Roger signal stream directly to the Marvel hearing aids, super easy to use. So, this no compromise solution means that you don't have to decide what receiver to use, you don't have to deal with the tamper proof Roger receiver. For those of you who've worked with kids you know what I'm talking about. No more hinge pins can be lost when they fall on the floor in a carpet. When I would connect some technologies in the past I would forget to remove the sticker. You don't have that worry anymore. No more worry of losing the receiver.

All these limitations, all of these hurdles and battles are now gone. There's no more limitations to RogerDirect. And with RogerDirect, we have a hearing system, a complete hearing system that's now 42% smaller, it has 27% less battery consumption and all Marvel devices are Roger compatible. It doesn't matter if it's rechargeable, it doesn't matter if it has a 312 battery. Even technology you fit last year or sold last year, these are Roger compatible after the firmware update. So, this is the optimal solution for patients who didn't wanna compromise and maybe they don't mind about the way things look, but it doesn't matter because the current technology they're wearing is directly compatible. So a lot of great updates with Roger. With a Marvel 2.0 update, we now have this extended range. So before it was a shorter range. Now the speaker and the listener can be up to 328 feet apart. And I did do that conversion for you because my brain does not work in meters. So, hope you're appreciative of that.

And then what is better than a hearing aid wearer that recommends what they're wearing? So 90% of Roger users would recommend Roger to their family and to their friends. So that's really good. That's really saying something in my opinion. So I wanna go over Roger installation. So your patients that are currently in Roger, I'm sorry, that are currently in Marvel, this is what you'll do, super easy installation. In the software, when you hover over the silhouette at the top, you'll be able to see the serial number of your Marvel as well as if you have the Roger installed. And this is your only way to really know and it has to be when you're connected. So this is what you'll see just again on top of screen, you'll be able to see if it's connected or not. And then this is a really nice update. So Phonak Target 6.1 supports that Marvel 2.0 which has RogerDirect. And now there are two different Roger behaviors that you can select within the target 6.1 software. So these two behaviors are the standard adaptive and then the dual adaptive. The standard adaptive function, that continues to remain the same and that's the default behavior within target. So again, providing 20 decibels improvement over the signal 20 DBSNR that is our mainstay, that's the way Rogers always worked. And for standard adaptive as the noise level increases above 55 decibels, that's when the Roger system will increase the Roger signal to improve that

SNR. So that's what standard is. That's the way it's always functioned. But now with the Marvel 2.0 update, you have an option of changing it to dual. So the dual adaptive is for as the noise level increases above 55 decibels, the Roger signal will first increase. But then as the noise level increases above 66 decibels, then the hearing instrument mic will be attenuated up to 10 decibels. So I was researching this and trying to figure out when would I use this. So, when would you fit dual? You'll fit dual when maybe there's a new user who has little or no experience with Roger. They might find that it's more comfortable in noisy situations. So it might be just like someone who has sensitivity to sound, this is a good way to fit in that dual. And then when would you fit standard which is been the standard for as long as Roger has been out since 2013. And you'd fit standard when someone's familiar with Roger and that's used to how it adapts and how its adaptive. If someone is bimodal, this is a great solution for them. So just keep that in mind when you're fitting. You can leave it as is and if you leave it then the default activation is automatic and it's standard. So just keeping that in mind when you're fitting.

Let me go back to that so you can visually see the page. So again, first fit if you do nothing, the activation of Roger when you turn Roger on is automatic. And then the microphone behavior is standard. So that's just something to think about. You might not have to touch it but this is where everything lives under the fine tuning tab and the program options tab if you do wanna change it. Alright, so now let's do how to install RogerDirect. So we will show you, go over here. So you pick your microphone. So it can be a Roger Select IN, a Table Mic II IN or Roger Pen IN. You're gonna get your little metal tool that you use usually to change your receivers and you're gonna get your Marvel devices. So you're gonna do each year... So each year you need one at a time just like you do when you update the firmware. And I will show you how to install the Roger Select, go to that from here. So we have our Roger Select IN. So inside are the Roger receivers that we need to install in the hearing aids. So we have to pull them out of the Roger Select and put them inside virtually to the hearing aid. So we turn on the Roger Select, you flip it over to the belly and there is a hole in the bottom next to

the link button. So you'll press the pin in there for a long press and then the light will start flashing flashing flashing green. You close your battery door or turn your rechargeable instrument on. And then once the light is solid green, you know that the installation is complete, you've taken those Roger receivers out of the Roger Select and now they live inside the Marvel technology. So then I do the same thing, I open up my battery door or I shut off my rechargeable and I'll do it one more time to the other ear. And then I know that both hearing aids now have Roger installed inside of them. And then the final step is to hit on the bottom. There's this little link button right here, you'll hit the link button on one of the instruments and everything is complete. So you have a complete hearing system with no external pieces or parts. And I will say I've done this a few times and it takes maybe five or so times to feel really comfortable with it and get a good system in place. But once you do the same system every time, then it's pretty easy.

So additional resources I'd like to talk about because now with Roger, we had a great option for this Rogerpedia. So Rogerpedia part is on the left hand side too. I definitely recommend ordering one of these. It talks about the mic functionalities. It gives you good use cases like when would I use this over that and it gives you options and it lets you easily talk through that with your patient. It lets you know what you need if maybe you're fitting a previous technology, a Phonak, and so you're able to pair your current technology and improve their signal to noise ratio with the addition of Roger. And then it gives you a decision tree. So what technology do I have? How am I gonna install this virtual receiver in the hearing aid? What do I need to do that? So really easy to use and available now and it can be sent to you. Another resource which I find extremely helpful is online on PhonakPro. You're able to do a Roger configurator. So let's say someone's wearing a hearing aid from another manufacturer that isn't Phonak, you can select the brand, what product, what model and it's like boop boop boop. It gives you a tabulation of what it would recommend for that patient's hearing aid. So it gives you a lot of flexibility to now make Roger work for them. Even if they don't wear a Phonak hearing aid, they can still benefit from the improvement of Roger. Stats available online

right now under PhonakPro in the support tab. And then a newer pair forms. So just completing and rounding out RogerDirect, if you do install those Roger receivers in the Marvels, when you send the devices out for repair, you want to make sure to check that you do have Roger installed and what Roger, is it an adult or a pediatric and so when we send it back to you repaired, it will have that inside because we don't want to lose that into the virtual world. Another update. So any first time fittings that you'll do, your default for Bluetooth handling will be fixed bandwidth. This is different from our previous fits. So this is only new users. Anybody that you're seeing for follow up, if you set them at adaptive for their phone call handling, it will stay at adaptive. But if they're brand new fit, they're just getting out the door with the technologies on, it does get set to fixed bandwidth. And remember with the new myPhonak app, they can change the call handling at home. The reason for the fixed bandwidth is we're assuming that patients have newer telephones like a 10 level Samsung or Apple and with the 10 level technology, we found that the handling of the phone call was based on the fixed bandwidth. But again, you can change that here if there are call issues or call drops but your patient can also change it on their end under the new myPhonak app.

So RECD aired a couple of different updates. So, let me get that screen. So Target 6.0 on earlier was traditionally shown the acoustic coupling effect with our ECDs. So that is when an RECD was entered and then the event information was changed to something more open, this change would be reflected in the RECD curve. So, there's a new NC standard. If you're interested in it, it's the F3.46-2013 and it defines a process for measuring the RECDs. The standard is gonna minimize the potential for errors which can result from different measurement methods. So as a result of this new standard, this is how you're gonna enter the RECDs into target. And it looks different and also the effect from the vent on the RECD curve looks a little bit different. So, I wanna go over that again because this is an update to the Marvel 2.0 and if you use these routinely, then you know what I'm talking about. And if you do not, then maybe you'll start using them. So now on Target 6.1, the RECD curve will no longer show a vent effect. And if the acoustics are changed for the hearing instruments, the effect of the

vent is still taken into account in other areas of Target but not for the RECD. So when you're entering the RECD, Target will ask you to confirm how you perform the RECD you are entering. And then to enter, select the enter RECD in the orange box here at the bottom. I got my little draw right here. And then you wanna enter the earpiece. You're gonna use a form or you're gonna use an earpiece, whatever, Target needs this information to appropriately calculate the RECD. And then if a coupler... If the BTE coupler was selected, you also need to indicate whether this was an audio scan test box and the reason is that the audio scan BTE coupler does have a shorter tubing length than the other manufacturers. So this does need to be taken into account. So you need to put that here if that is the case. And then once this information has been provided, you just enter the RECD values as you normally would or you've done previously. And then you may have an existing RECD that you may want to apply to your fitting. So Target will allow you to import this RECD and then the RECD you wish to use can be selected by clicking this history tab and then selecting the appropriate RECD from the bar above. And then a lot of verification equipments don't send the coupler information or the earpiece that are used for the RECD to Target. You will then need to complete the RECD wizard to complete an unknown information.

So like coupler type, earpiece used, equipment used. So that's what we'll do that up there. And then additionally, when you're using an RECD, it's imported... When an RECD is imported in a parameter, the earpiece with the couplers change from what was imported into the system. Target's gonna change the label from imported to entered. So the rationale is that something was actually entered or changed from what was extracted from Noah so the parameters are gonna be different. If there's missing information though, it's imported from the RECD and this can be added and the RECD remained as imported. So, just so you know that. And then just a couple more. If you already have an RECD for one ear and you don't have it for the other ear, then you need to label that unable to obtain RECD in second ear. So you just need to be honest with the system, honest with the software. And you know both ears are similar. This can be transferred to the other ear over here if you wanna just like move it over to the

other side. And then Target allows you to use the same RECD for both ears. Just by clicking on that arrow, an RECD performed on one ear can be copied to the other side. So similar to like when you put in your Audiogram a Noah and then you just transfer it to the right ear or the left ear. Okay, so that was RECD and those changes that were made with Target. And now I wanna talk a little bit about the changes to DSL and then the NAL junior mode defaults. So if you have fit kiddos in the past, this has been changed after the consultation with the Pediatric Advisory Board and NAL. So some of the junior mode defaults have been updated within Target. Let me show you that. So these new defaults will be applied for any new fitting or when a trial moves into a new age group. So if you're bringing them in and you're updating the software, if you've already fit them, it's not going to get changed. It's only going to apply to those new fittings and when their age group changes.

So, these are the changes. Changes for DSL are the AutoSense Sky iOS, is the startup for all ages. We've done numerous studies that have shown that patients who wear AutoSense iOS are doing better when it comes to noisy environments. They do have an improvement of hearing in noisy situations and so the kind of trend is moving away from fitting in an omni directional pattern and really going towards fitting in this AutoSense Sky OS pattern where you're going to get noise reduction, you're gonna get ultra zoom, stereo zoom. We're gonna have a lot more directionality with the microphones than in the past. And then the second and the third priorities for the ages have been removed. And then you'll see on here that all of these noise block, echo block, sound relax, wind block, those are all set to seven. So they're set at a week. So if you have follow up with patients and you find that they're reporting for whatever reason, they need a little bit more sound cleaning or they want a little bit more sound relax then you do have to change that and you can change that here. But these are now the new defaults. The microphone mode changes for real ear sound are for only ages zero to three. And then the Roger DAI plus mic program that set for zero to three for real air sound and then for ages four to eight that set for fixed directionality. So just so you know that. Oh, someone has raised their hand. Let's look at this. Do I get to see

what that means? I think we have a question. I've never seen someone raise their hand before. So I'll wait for a question. And then the priority will remain public T-coil plus mic because we found that's the best way to use the T-coil in a school setting. It sounds the best. And then changes for NAL is that speech and noise all ages now have ultra zoom and before zero to three was set out on me. So those are all the updates for the DSL and then the NAL. And so whomever raised their hand, if they can in that left box for the Q & A, just type in your question. I'll be happy to answer it. And then NAL-NL2 updates. And this is just a change for the NAL-NL2 for dual path compression in all programs. And this was based on a positive outcome study that we did in our research facility, the Phonak research facility in Chicago. The studies results showed that the dual path compression is the preferred program for the male speaker in quiet and it was very significant. Outcomes were also very significant for own voice and for speech and noise. So that's why we made these changes on NAL-NL2. And they're only again being applied to new fittings. Any existing people that you've already fit, they will remain untouched. And I think that is my last slide.

So I do have some questions. And then whomever raised their hand, like I said, if you want to type in your question on the far left, I'm happy to answer it. One of my questions was, what is the Roger warranty? So Roger warranty if you're gonna get a Roger IN Select, a Roger IN pen, a Roger IN Table Mic II, all Roger devices have a standard two year warranty. So that's what you'll get with Roger and all Roger products. I have another question that says, what is the IP rating of Roger? So all of our hearing aids have an IP of six, eight. So it's the highest rating for any type of device. So is all of our hearings are IP six, eight rated. We do not rate unfortunately... We don't have any validated IP ratings for any of our Roger pens. In the question and so we currently don't have IP rating for Roger. And then the question was, my next question is how can I start from the beginning of this recording? This will be recorded. So if you missed something from the beginning, you can definitely start over again and view it when it is offline, off being live. I have another question that says, can I see the installation video again? So let's play that. Let's try and get back to that. And I'll walk

you through the video again of how to install and this example that we have to play is with Roger Select. So the Roger Select, you're gonna install the same way you would with the pen, the same way you have at the Table Mic II. So all of the installation is exactly the same. And so we'll play that again for you. So in this case, again, we have a Roger Select IN, we have a pen tool, we have a hearing aid. You need to do all these things all at the same time in the same order. So if it were a pen, if it were a select, if it were a Table Mic II, you would turn on your Roger technology. And then you flip it over to the belly. On the pen, there's actually a pinhole on the side of the instrument. So what this video is showing you is you're gonna take the metal tool and you're gonna put it inside of the Roger Select and you're gonna press it down and hold it down until it starts to flash green. It'll do the same thing with the pen. You'll hold the pen, turn the pen on and then push this metal pin into the hole in the pen and it will flash again solid green and then you'll do the next thing. So you're gonna press in and it flashes at you. You're gonna close your battery door, lay it next to the Select and it's basically taking the receiver information virtually out of the Select and importing it into the hearing aid, installing it in the hearing aid and once you get that solid green light, you're installed. So very simple to do. Again, you do the same thing again with the right ear. So if you need to do that with the right ear or the left ear, whatever you didn't get to do, there are two of those Roger receivers inside and you have to just repeat the process to get it into the other one. So I hope that makes a little bit more sense.

I have another question here and it says, is there any setting for a tinnitus patient? Yes, there is a setting for a tinnitus patient. So, in our software, you'll give your patient a tinnitus program and so when they have either the remote control hand held now or the new myPhonak app, they'll have flexibility over control. However, you wanna give them in both of those places. But you can use our tinnitus program and turn on our tinnitus mask or it uses pink noise, it uses white noise and then it uses a white noise that's set to hearing loss in the software. And that's how you'll give them the ability to have control over their tinnitus setting. I think we're right at the one o'clock mark. I'm happy to stick around for more questions if you have more questions, but I appreciate you

joining today and let us know if you have any more questions. And please order some of those literature. The part numbers are out to the left and the Rogerpedia is a wonderful resource for you. So have a great day and thanks so much for joining. Oh, you have another question. It says, what tabs have in-situ audiometry? So in the software if you're gonna open up new fitting session and you need to have instruments live and connected, you'll go to the fitting tab and under Audiogram Direct is where you'll do the in-situ hearing testing. I love in-situ hearing testing. I love our Audiogram Direct. I think it's wonderful. So again, you'll just go into the software under the fitting tab, but you have to have instruments connected and then Audiogram Direct will get you the in-situ audiometry. Great question. Great, thanks everybody for attending. Have a great day.