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## Monoprice 9723 manual

No product recommendation is perfect. While most of our tests take place in our homes, each setup is different. As a result, the product you are installing in your home is not available. However, if we encounter complaints about a product, we investigate them to see if we need to adjust our recommendations. The latest example of this refers to the Monoprice 9723 subwoofer featured in our guide to the best budget subwoofer. Strong bass, high quality, at a very low price. You can see the complaints about 9723 presented towards the end of this thread on Slickdeals. Some users report receiving scuffed or damaged drives, and some complain that subwoofer produces inadequate volume or excessive hum. Such reports have led us to speculate that we have received a review sample that has been chosen or adjusted somehow for better performance. To find out our review sample compared to a sample purchased, I asked a friend to buy a 9723 and put it on his credit card so Monoprice would have no way of knowing that I would be testing the unit. The sample purchased arrived in the new state with no damage, although I made note that about 1/4 inch of black vinyl covering had peeled slightly on a corner (something I could easily fix with an Elmer's glue dab). This diagram of the results of the frequency-response tests shows that the result of the sample purchased almost exactly matched that of the review sample. Then I did a frequency-response test on both samples. This test shows the level at which a subwoofer reproduces different sound frequencies; is the most commonly used quality test of a speaker. I set the controls on both subwoofers identically. The results (in the chart above) showed that the result of the purchased sample corresponded almost exactly to that of the review sample, with a maximum error of 0.57 decibels. To put this figure in perspective, moving the head 3 inches left or right could produce a similar difference. I have not encountered abnormal levels of hum when testing either sample. To see volume 9723 compared to that of other subwoofers in real conditions, I set my Denon AV receiver to play the test noise for setting the subwoofer level, after which I used an audio spectrum analyzer to see what level 9723 achieved compared to the other two, the much more expensive subwoofers I had at hand: NHT \$650 CS-10 and PSB \$1500 SubSeries 450. I set the level controls on all the subwoofers halfway up (that is, the 12 o'clock position), and I measured all these results from my listening chair. The output level of monoprice 9723 aims comparable to that of state-of-the-art subwoofers. After you can see in the chart above, 9723 predictably did not have as much low-frequency response (e.g. below 50 Hz) as more expensive subwoofers. However, its response in the range of 50 to 100 Hz, which is where most of the bass content in music and movies is located, was on 2.4 dB smaller than that of the PSB and 6.7 dB higher than that of the NHT model. Thus, production 9723 at a typical volume setting seemed to be in the same stadium as the other subwoofers. I made these measurements using the subwoofers line inputs; through speaker inputs (not included on NHT), the PSB unit level was 7.4 dB higher than that of Monoprice. These variations are normal, and you can easily compensate them by using control of the level on the subwoofer or control of the channel level in the receiver configuration menu. Given the proximity of the sample purchased at the review sample in the tests, the fact that none of the three samples of 9723 I tried (including the sample I tested for About.com Stereos) had hum problems, as well as proof that the output level 9723 under normal conditions of use is comparable to the output level of other subwoofers, it seems likely that some buyers may have received lemons and should contact monoprice customer support. However, at least some of the performance complaints could be caused by improper configuration (which we address in our initial review and again in detail below). Fixing volume and hum problemsBecause the samples we tested delivered volume similar to that of other models we had at hand, the problems that users report may be due to the fact that in a typical audio/video system, two controls govern the level of the subwoofer: one per subwoofer and one embedded in the configuration menu of an AV receiver. If you start with any of the denied control, it can lead to an inadequate level from the subwoofer. If setting the submarine volume halfway doesn't give you enough volume, try turning it on at about three-quarters (3 o'clock), then finely adjust the level with the receiver level control. If you have to turn on the level on the subwoofer past halfway, don't worry about it: Like basically all powered subwoofers, the Monoprice 9723 has an internal limiter that will protect the driver and amplifier. If you don't hear large amounts of distortion, there's no problem. Hum problems are common with subwoofers because the subwoofer is often connected to an AC outlet different from the rest of the audio/video system. If the two sockets are on different circuit breakers, a ground loop may result, which produces a hum 60Hz. This effect can occur with any subwoofer. You can check a few things, however. First, check the audio connection between the subwoofer and the receiver: a damaged or partially disconnected cable may cause a hum. The solution is to try connecting the subwoofer into a power band shared by the rest of the audio/video system. Even if this is not a permanent solution for configuration, you should narrow it down at least. A damaged or partially disconnected cable may cause a hum. If you still have problems or if it is not everything in the same outlet, try to use an insulating transformer on the cable going from receiver to subwoofer. And if you're reading this, because your non-Monoprice under has problems, keep in mind that some cheap subwoofers (but not 9723) have AC cables that you can reverse. In this case, you can try pulling the cable from where it connects to the subwoofer, flip it 180 degrees, and reintroduce it. What monoprice has to sayI also asked Monoprice to comment on the 9723 situation. Here is the company's response: Our team here at Monoprice analyzed customer concerns with 12-inch 150-Watt Powered Subwoofer, Black, 9723 – most of these reviews we received were caused by people who did not realize the physical dimensions of the unit and we happily refunded or changed all customer queries. Since 2012 this track has maintained a 4.5 star rating with 77 reviews on our website and a 4.3 rating on Amazon. Monoprice takes any performance issues seriously and works diligently to identify and correct the root cause. We continue to look at any additional concerns to address them quickly and ensure the best customer experience. Unfortunately, Monoprice's response does not directly address most of the complaints, but does raise a number of important points: The vast majority of user reviews on Amazon and the Monoprice website are positive. Subwoofers (like almost all audio products) do not come with a warranty, and Monoprice will replace defective products or those that do not meet customer expectations. Of course, we cannot verify the status or performance of each sample of a product that a manufacturer delivers, nor can we verify that users have properly configured their submarines, or even if a reviewer does not work for a competing manufacturer or retail dealer that sells other brands. While we continue to monitor user complaints about 9723, we have not found sufficient reason to withdraw or modify our recommendation, especially given the unmatched price-performance ratio this model, and the fact that the vast majority of user reviews remain positive and all three units we tested worked great. If you are still having problems after trying the above tips, you should talk to monoprice customer support at 877-271-2592. (Photo and graphs of results by Brent Butterworth.) Subwoofer Setup/Settings and Calibration Help required Hello everyone, I have 3 system setups and all of them vary slightly. I need help with setting up and calibrating the 3 systems... I think I know the basics, but want to ensure that they are properly configured and calibrated. Here goes... System #1: Yamaha RX-V677 x (2) Dayton Audio Sub-1200. I ran (2) independent RCA cables from out (L & R) mono input of each sub. Format the frequency on both to max, set the volume to half and then ran YPAO. Then I tuned the volume/win under to my liking. Is this the best and fairest method for this lip? #2 system: Yamaha RX-V479 x (1) Monoprice 9723. I ran an RCA cable from under the preout woofer to a Y-adapter (one woman to two men) in the L&R line in the underentry (see manual attachment for what I used a Y adapter). He dialed the frequency to the maximum, set the volume halfway and ran yPAO. Then I tuned the volume/win under to my liking. Is this the best and correct method for this set up? #3 system: Yamaha RX-V673 x (1) Yamaha YST-SW012. I ran an RCA cable from under the preout woofer #1 into the RCA entrance of the submarine. Set the volume halfway and ran YPAO. Then I tuned the volume/win under to my liking. Is this the best and correct method for this set up? I know this is a lot and a ton of questions, but I just want to make sure I'm doing things right?? I've attached images from the back of all the equipment listed above for reference, so there's no need to search the internet to help me. Thanks in advance! I'll also post what the YPAO crossover settings each set up is set up just to make sure it's also the correct setting for amplifiers under the crossover woofer, but you'll have to wait until I can check... Hookups seem fine, but you should check the receivers below offset level to reference within the receiver after running the first position and check if it is within +3 db. I like to have mine around -6/-8 offset then finish my room correction positions, then bump below levels up around 3/4 db from within the receivers under the level settings not the win button on the sub. If it is higher than -6/-8 (-2/-3) just pick up the subs win the button a little and rerun the first microphone position. This allows the under to run a bit hot, but also allows good managed headroom from inside the receiver. If you run splitters in Dayton add 6db, as well as help trigger auto subs on faster, but that's just what I heard other Dayton under the owners mention. Sent from my 710C using Tapatak - Hookups seem fine, but you should check the receivers below offset level to reference within the receiver after running the first position and check if it is within +3 db. I like to have mine around -6/-8 offset then finish my room correction positions, then bump below levels up around 3/4 db from within the receivers under the level settings not the win button on the sub. If it is higher than -6/-8 (-2/-3) just pick up the subs win the button a little and rerun the first microphone position. This allows the under to run a bit hot, but also allows good managed headroom from inside the receiver. If you run splitters in Dayton add 6db, as well as help trigger auto subs on faster, but that's just what I heard other Dayton under the owners mention. Sent from my 710C using Tapatak Well thank you very much and I'll give your suggestions a try. I dug deeper and researched what you said about adding the Y adapter to Dayton's & I saw how debated this topic is. I don't understand why manufacturers don't just say to hook up Y-adapter anyway, especially if it makes no difference or could possibly add improvement. I certainly learned something new about growing 6db and auto on sensing. Now I feel comfortable switching under my from on all the time to auto on. I'll report back the first position settings and my general calibration settings once done. I'll admit I'm a little afraid to run hot amps, because I don't want to shorten life expectancy, especially if I don't do it 100% right, but I don't follow what you say and will give a listen and report back my results to make sure I didn't do something wrong. Thank you again. Sent using Tapatak - Along with the Madmax67 suggestion that you make sure that the sub trim is within range after calibration, you missed the first very important step in all three systems... determine the correct location by crawling under. Also, if you want to adjust the post-calibration sub-level, you should use the sub trim setting in the AVR and not the win dial under itself. It's much easier to know exactly how much you want to adapt and easier to get back to a known level. I'd listen to everything P @Alan says. He is one of several here I followed and learn edat a lot from every day and I thought I knew a lot before I got here. That's good work. Live to learn! -Tom sent from my 710C using Tapatak - Starter discussion • #6 • May 11, 2016 Along with the Madmax67 suggestion that you make sure that the sub trim is within range after calibration, you missed the first very important step in all three systems... determine the correct location by crawling under. Also, if you want to adjust the post-calibration sub-level, you should use the sub trim setting in the AVR and not the win dial under itself. It's much easier to know exactly how much you want to adapt and easier to get back to a known level. Thanks Alan. I admit I've only done subwoofer crawl for one of three locations, but I definitely feel like a genie me for adjusting the gain levels to the subwoofer vs. on the receiver settings. Just to be clear I'm leaving the win on the subs halfway and crossover to max, and then just adjusting them, respectively, to the receiver after running a calibration. Sent using Tapatak - Okay thanks a lot and I'll give your suggestions a try. I dug deeper and researched what you said about adding the Y adapter to Dayton's & I saw how debated this topic is. I don't understand why manufacturers don't just tell consumers to hook up the Y-adapter anyway, especially if it makes no difference or could possibly add improvement. I certainly learned something new about growing 6db and auto on sensing. Now I feel comfortable switching under my from on all the time to auto on. I'll report back the settings first position my general calibration settings once done. I'll admit I'm a little afraid to run hot amps, because I don't want to shorten life expectancy, especially if I don't do it 100% right, but I don't follow the follow say and will give a listen and report back my results to make sure I didn't do something wrong. Thank you again. Sent using Tapatak welcome. Most just use unique LFE input and crank the LPF button all the way over so that the receiver handles the setting, but some want to control the phase and LPF to the amps and therefore use line inputs. I don't think there is a debate that uses both inputs adds 6 db because the amounts of mono signal in the amps, but the debate can be whether it helps auto on the feature. I think so, in most cases, if not very sensitive. You won't hurt anything, but yes, I left out all the important technique crawl (brain-boy) Make that first to ensure your subs aren't in a suck in the room, then run the first microphone position with the subs win button set halfway, phase 0 and LPF button all the way over. Check the receivers below the offset level and if they do not correct enough below 0 then lift the subs win the button a little and rerun. Some like an offset -10 and bump level up to 6 to 8 db, but I like around a -6/-8, then I bump my 3 to 4 db to -3/-4 (each 3db increase requires double power.) Stay under 0 and you'll be fine. The normal offset recommendation is to stay within +3db. This allows you to good headroom and ability to run under a little hot, while avoiding cutting amps. This technique is personally recommended by Mark Seaton a legendary subwoofer designer and also by the technical director for SVS submarines (I don't remember his name right off the bat, but yes, smart guys.) Sent from my 710C using Tapatak - Any Yamaha is a good bet. Klipsch under12 seems to be under budget of choice, but the daytons get respect. - Starter Discussion • #9 • May 12, 2016 Any Yamaha is a good bet. Klipsch under12 seems to be under budget of choice, but the daytons get respect. I've heard good things and some mixed reviews on Klipsch, but @S180-200 vsS84-120 is a slightly different price range and not enough of a performance cuckoo from what I read. You could get duals for essentially the price of one. For \$200 I'd rather save a little more and just get a PB-1000 SVS Sent using Tapatak - Yamaha YAPO doesn't set up bass unless something's changed, right? I've heard good things and some mixed reviews on Klipsch, but @S180-200 vsS84-120 is a slightly different price range and not enough of a performance cuckoo from what I read. You could get duals for essentially the price of one. For \$200 I'd rather save a little more and just get a PB-1000 SVS Sent using Tapatak There's an idea - Yamaha YAPO doesn't set up bass unless something's changed, right? I'm not sure what you mean exactly, but if I understand correctly I think it depends on the model. On my can set my frequency under woofers in (HZ) to different options and I can also set the level in (dB) in +/- .5 increments. Is there anything different? I'll check my other two models. edit: my 479 also allows me this control sent using Tapatak - Starter • #13 • May 13, 2016 Your reception. Most just use unique LFE input and crank the LPF button all the way over so that the receiver handles the setting, but some want to control the phase and LPF to the amps and therefore use line inputs. I don't think there is a debate that uses both inputs adds 6 db because the amounts of mono signal in the amps, but the debate can be whether it helps auto on the feature. I think so, in most cases, if not very sensitive. You won't hurt anything, but yes, I left out all the important technique crawl (brain-boy) Make that first to ensure your subs aren't in a suck in the room, then run the first microphone position with the subs win button set halfway, phase 0 and LPF button all the way over. Check the receivers below the offset level and if they do not correct enough below 0 then lift the subs win the button a little and rerun. Some like an offset -10 and bump level up to 6 to 8 db, but I like around a -6/-8, then I bump my 3 to 4 db to -3/-4 (each 3db increase requires double power.) Stay under 0 and you'll be fine. The normal offset recommendation is to stay within +3db. This allows you to good headroom and ability to run under a little hot, while avoiding cutting amps. This technique is personally recommended by Mark Seaton a legendary subwoofer designer and also by the technical director for SVS submarines (I don't remember his name right off the bat, but yes, smart guys.) Sent from my 710C using Tapatak Well so now here is where I need help... I took my Y adapter cables and connected them. I set the gain/volume halfway, set the frequency to max (or, in this case, 140Hz) and ran a YPAO calibration. Then I set my speakers all to low (as ypa0 set them to high), set my subwoofer crossover to 80Hz in Yamaha settings (ypao had this set to 80Hz anyway). But this is where I get lost... YPAO set my subwoofer level to +2.5dB. Is this the setting I'm supposed to be raising? And if so, what is a good suggestion? I know you can't say without listening, but based on experience, what do you say? Attached are screenshots for reference. Sent using Tapatak - Cool. It's easy to fix. That's in the +3db range, but it's best to have an offset in the range - db, so just pick up the subs win the button at 3/4 win and rerun yPAO then check the offset. Ideally, you want to get it in the range of -6/-8 and if the 3/4 win setting in under you don't get there you might want to crawl under again to get into a better place that the microphone will pick up better, because when it's setting a positive offset it's stimulating DB to get to the reference so that under it might be in a bad place. Does that make sense? Usually half to 3/4 button setting becomes -db offset range I'm talking about. Under can be in a null in the room and moving to a better place using crawlunder should help lower offset. I think mine was set to -2 at half win and then -6.5 to 3/4 win under my with audyssey correction room in my space. Sent from my 710C using - Starter Discussion • #15 • May 13, 2016 Cool. It's easy to fix. That's in the +3db range, but it's best to have an offset in the range - db, so just pick up the subs win the button at 3/4 win and rerun yPAO then check the offset. Ideally, you want to get it in the range of -6/-8 and if the 3/4 win setting in under you don't get there you might want to crawl under again to get into a better place that the microphone will pick up better, because when it's setting a positive offset it's stimulating DB to get to the reference so that under it might be in a bad place. Does that make sense? Usually half to 3/4 win setting becomes -db offset range I'm talking about. Under can be in a null in the room and moving to a better place using crawlunder should help lower offset. I think mine was set to -2 at half win and then -6.5 to 3/4 win under my with audyssey correction room in my space. Sent from my 710C using The Patapaly Wow which just made all the sense of the world for me! Many thanks for understanding now. Sent using Tapatak Cool. Yes, it's almost counter intuitive to think about picking up one thing to get a smaller reading from another thing, but that's basically what they're trying to do. If the offset is in that -6/-8 range I would bump it 3/4 db from inside the receiver to about -3/-4 and your fine. Your can do more, but each 3 db cube requires twice the power, but just keep it below 0 to avoid cutting the incoming amp subs. Plus remember or write the original offset before you change just in case you ever want to go back to the reference under or just know how much you've added for the future if you decide to add a few more db. Sent from my 710C using Tapatak - Any Yamaha is a good bet. Klipsch under12 seems to be under budget of choice, but the daytons get respect. So now you've reached my peak interest in Klipsch especially if it's better than my daytons, which sounds so good now that they're broken in and properly tuned (thanks guys here). But this under monoprice is TRASH and is getting replaced! Small Yamaha SW-012 sounds better than the monoprice sub that doesn't offer any bass more visible than my network. Sent from my GT-P5113 using Tapatak - Starter Discussion • #18 • May 16, 2016 Cool. Yes, it's almost counter intuitive to think about picking up one thing to get a smaller reading from another thing, but that's basically what they're trying to do. If the offset is in that -6/-8 range I would bump it 3/4 db from inside the receiver to about -3/-4 and your fine. Your can do more, but each cube 3 db twice the power, but just keep it under 0 to avoid cutting the amp input subs. Plus remember or write the original offset before you change just in case you ever want to go back to the reference under or just know how much you've added for the future if you decide to add a few more db. Sent from my 710C using Eventually we got where I think we should be. A quarter turn was too much, so half of a quarter turn (a notch above half) seemed to do the trick! Sent using Tapatak - Yamaha YAPO doesn't set up bass unless something's changed, right? As of their 2015 models, they only EQ up to 31 Hz, but there is a rumor the new 2016 models will EQ up to 15Hz. This would be a big improvement for the YPAO and bring it closer to Audyssey in this regard. Eventually we got where I think we should be. A quarter turn was too much, so half of a quarter turn (a notch above half) seemed to do the trick! Sent using Tapatak Ok offset is negative, but is that the receivers setting to -1.5 or after you hit it in below receiving levels? If the answer is first, then lift the subs win the button some more and rerun the first microphone position. 3/4 of the way is pretty standard and won't spoil under. When offset reaches about -6/-8 good. Raise 3 dB/4 dB in the settings below the receivers level just sit below 0 and you're done! Sent from my 710C using Tapatak Tapatak

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