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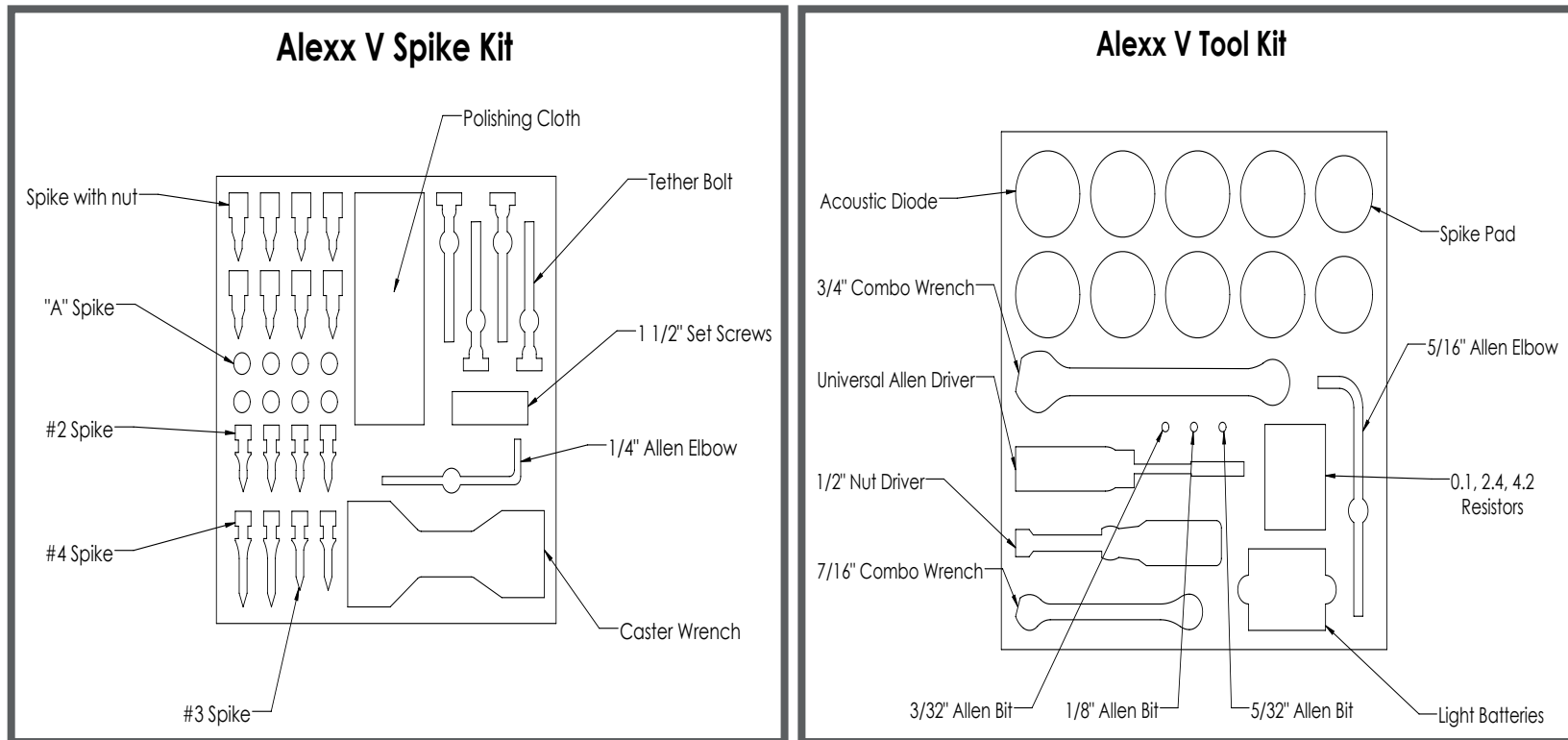
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SECTION 1—WASP SETUP

Section 1.1 –Alexx V Crate Content

Please take the time before you attempt to setup up your Alexx V to review the contents of your Alexx V Spike Kit and Tool Kit. Set these items in an accessible area as you will need them during the setup process. See the two graphics below:





Section 1.2—WASP

An instructional video outlining the Wilson Audio Setup Procedure (WASP) can be found here: www.wilsonaudio.com/WASP. The proper positioning of your new Alexx V within your room is critical in order to extract its formidable performance envelope. When carefully followed, the WASP has proven to be the most effective method for setting up Wilson loudspeakers. Your authorized Wilson Dealer is trained in this process, and is the best resource for you to ensure your loudspeakers are set up properly.

Viewing the video is the best way to learn how to properly employ WASP, but we have also included an outline of it here.

Zone of Neutrality: Left and Right Channel

The “Zone of Neutrality” is an area in your room where the speakers will sound most natural. This location is where the speakers interact the least with adjacent room boundaries. It is important to have a clear working space while determining the Zone of Neutrality.

The following is a simple method to locate the Zone of Neutrality within your listening environment:

1. Stand against the wall BEHIND the location where you intend to position your loudspeakers. Speaking in a moderately loud voice and at a constant volume, project your voice out into the room. Your voice will have an overly heavy, “chesty” quality because of your proximity to the rear wall.

2. While speaking, slowly move out into the room, progressing in a direction parallel to the sidewall. It is helpful to have another listener seated in the listening position to assist you during this process. Listen to how your voice “frees up” from the added bass energy imparted by the rear wall boundary. Also notice that your voice is quite spatially diffuse (to your assistant, your voice will sound spatially large and difficult to localize) as you begin to ease away from the rear wall.
3. At some point during your progression forward into the room, you will observe a sonic transition in your voice; it will sound more tonally correct and less spatially diffuse (your assistant can now precisely localize the exact origin of your voice). When you hear this transition, you have entered the inner edge of the Zone of Neutrality. Place a piece of tape on the floor to mark this location. Although it will vary from room to room, in most rooms the Zone begins between two and a half to three feet from the rear wall.
4. Continue to walk slowly away from the rear wall. After some distance, usually one to two feet past the first piece of tape, you will begin to hear your voice lose focus and appear to reflect (echo) in front of you. This is caused by the return of the room’s boundary contribution; your voice is now interacting with the opposite wall. At the point where you begin to hear the reflected sound of your voice, you have reached the outer

edge of the Zone of Neutrality. Place a piece of tape on the floor and mark this location. The distance between the “inner” and “outer” edge tape marks is usually between eight inches (for small, interactive rooms) and three feet (for large, more neutral rooms).

5. Now position yourself against the side wall perpendicular to the intended speaker location. Stand between the two tape marks. Using the same procedure as above, begin moving into the room toward the opposite sidewall, progressing between the two pieces of tape. As above, listen for the point in the room where your voice transitions from bass-heavy and diffuse to neutral. Mark this point with tape. Continue your progression until there is an obvious interaction with the opposite wall in front of you and mark this point with tape. The four pieces of tape now form a rectangle that establishes the Zone of Neutrality for the loudspeaker to be installed on that side of the room. Using the four marks as your guide, tape an outline to define the boundaries of the rectangle.
6. Repeat this process for each speaker location individually. These are your Zones of Neutrality, one for each channel.

Theoretically, the Zone of Neutrality for any room runs like a path, parallel to the walls all around the room. Adjacent to very large windows and open doors, the outer edge of the Zone of Neutrality moves closer to the wall and be-

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When carefully followed, the WASP has proven to be the most effective method for setting up Wilson loudspeakers.

comes wider. If you were to extend the inner and outer boundaries of the Zone for the sidewalls and the front wall (behind the speakers), they would intersect.

Speaker Placement Versus Listening Position

The location of your listening position is as important as the careful setup of your Wilson Audio loudspeakers. The listening position should ideally be no more than 1.1 to 1.25 times the distance between the tweeters on each speaker. Therefore, in a long, rectangular room of 12' x 18', if the speaker tweeters are going to be roughly 9' apart, you should be sitting approximately 9'11" to 11'3" from the speaker. This would be more than halfway down the long axis of the room.

Many people place the speakers on one end and sit at the other end of the room. This approach will not yield the finest sound. Carefully consider your listening position. Our experience has shown that any listening position that places your head closer than 14" from a wall will diminish the sonic results of your listening due to the deleterious effects of boundary interaction.

Speaker Orientation

Speaker placement and orientation are two of the most important considerations in obtaining superior sound. The first thing you need to do is eliminate the sidewalls as a sonic influence in your system. Speakers placed too close to the sidewalls will suffer from a strong primary reflection. This can cause out-of-phase cancellations, or comb filtering, which will cancel some frequencies

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and change the tonal balance of the music. Adhering to the Wilson Audio Setup Procedure outlined in this manual, and in more detail in the WASP video, is the best method with which to position your loudspeakers.

Another very important aspect of speaker placement is how far from the back wall to place the speakers. The closer a loudspeaker is to the back wall, the more pronounced the low bass energy and centering of the image will be. However, this comes at a definite reduction in soundstage size and bloom as well as a decline of upper bass quality. You must find the proper balance of these two factors, but remember, if you are partial to bass response or air and bloom, do not overcompensate your adjustments to maximize these effects. Overcompensated systems are sometimes pleasing in the short-term, but long-term satisfaction is always achieved through proper balance.

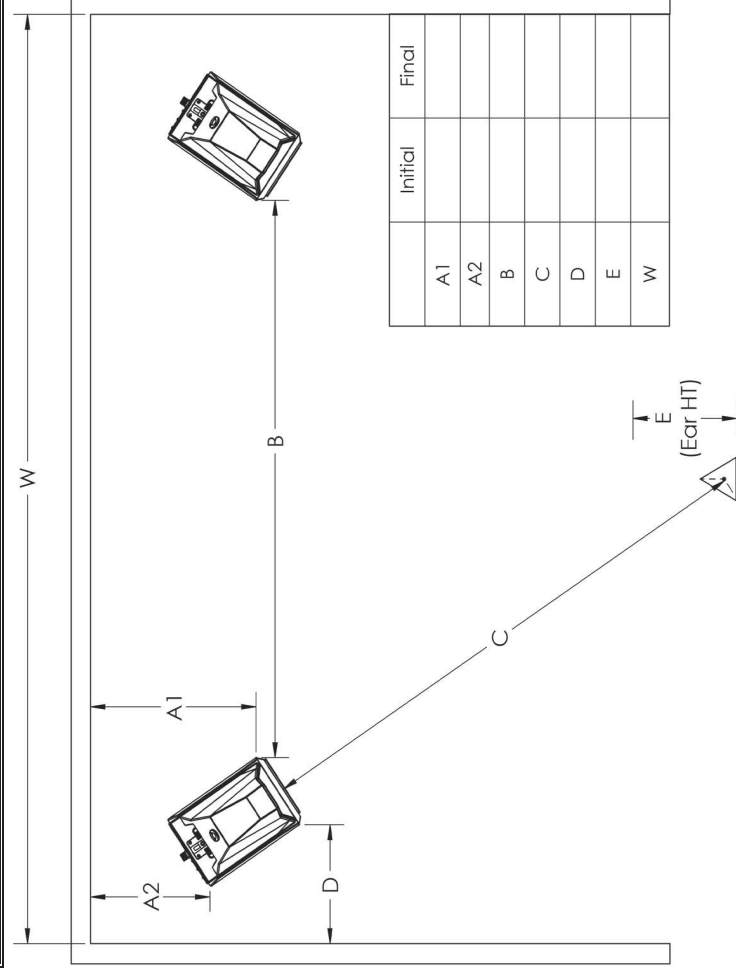
To make correct in-home set up of your Alexx V possible without test equipment, Wilson Audio has measured the correct geometric time domain alignment for different distance/ear height combinations. See the Time-Alignment Charts section for details. By measuring the distance from the speaker to the your ear when seated in the listening position, as well as the height of the listener's ear measured from the floor, you will be able to align the system for your unique listening position.

Date of Calibration: _____

Location of Calibration: _____

[illegible]

NOTES:





SECTION 2—ALEXX V ASSEMBLY

Section 2.1—Preparation

It is important that the instructions in the following section are followed and carried out precisely. The Alexx V is a precision instrument, capable of extremely accurate alignment in the time domain if the following process is meticulously followed.

Note: To avoid damaging the Alexx V's painted surface please remove any jewelry such as rings, watches, necklaces, and bracelets during this process.

Preparation

You will need the following items:

- Supplied Spike Kit & Tool Kit
- Tape measure
- Known listening position
- Masking Tape

The Gantry ("wings") uses the combination of captive spikes and aspherical "time alignment blocks." The spikes/block combination rotate the Midrange Modules to a prescribed position as a part of the Alexx V's propagation delay adjustment. Additionally, the alignment blocks move fore-to-aft to achieve proper alignment relative to the other drivers. The spikes in the modules also provide proper coupling of the Midrange Modules to the Gantry. The shorter "A" spikes are always installed in the front two threaded holes of the two modules. The spike-type is stamped into the flat surface on the top of each spike. The

spikes should be screwed in all the way until they are tight. A 7/16" wrench is provided in the Tool Kit to tighten the Midrange Modules spikes.

Section 2.2—Alexx V Propagation Delay Adjustment

Optimizing Propagation Delay in Your Room

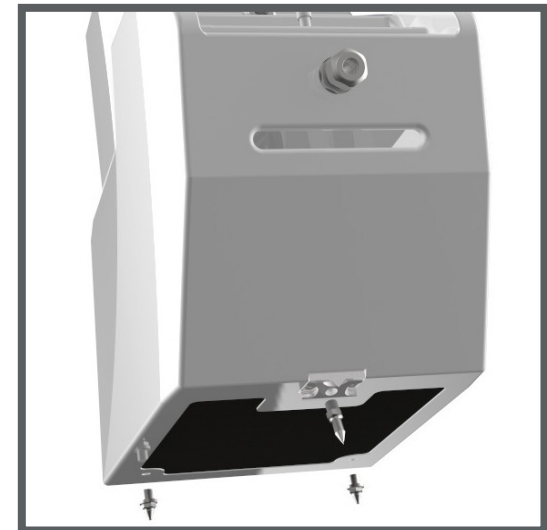
The Alexx V system allows for different listening distances (away from the speakers) and listening ear heights (measured distances from the floor to your ear canal). For each distance/ear height combination there is a unique alignment geometry.

1. Refer to the Propagation Time Alignment Charts throughout this section (which can also be found in Section 5 of this Manual).
2. Make sure that you are in your intended listening position.
3. While comfortably sitting, have someone measure your ear height from the floor directly to the center of your ear canal. You should be relaxed in your chair, as you would be when listening to music.
4. Now measure the distance (on the floor) from the point on the floor below your ear to the base of the loudspeaker (see graphic on the next page).

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5. There are four charts for the Lower Midrange Module. The first, “Alexx V Lower Midrange Spike Length,” is a table determining the rear spike length for the Lower Midrange Module. The second, “Alexx V Tweeter Detent Position,” specifies the position of the front right (looking from the front) tweeter spike into the detent on the top of the 7” Midrange Module. The third, labeled “Alexx V Lower Array Alignment Block Position,” determines the Lower Midrange alignment block’s front-to-back location. The fourth, labeled “Alexx V Lower Array Alignment Block Step,” specifies the step on which the Lower Midrange Module’s rear spike will rest.
6. There are three charts for the Upper Midrange Module. The first is labeled “Alexx V Upper Midrange Spike Length”, indicating which spike to install in the rear of the Upper Midrange Module. The



Alexx V Lower Midrange Spike Length													
Ear Height		Listening Distance											
		8 ft	9 ft	10 ft	11 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
		2.44 m	2.74 m	3.05 m	3.35 m	3.66 m	4.27 m	4.88 m	5.49 m	6.1 m	6.71 m	7.32 m	7.92 m
48 in	122 cm	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
47 in	119.5 cm	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
46 in	117 cm	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
45 in	114.5 cm	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
44 in	112 cm	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
43 in	109 cm	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
42 in	106.5 cm	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
41 in	104 cm	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
40 in	101.5 cm	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
39 in	99 cm	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
38 in	96.5 cm	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
37 in	94 cm	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
36 in	91.5 cm	2	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike

second is named “Alexx V Upper Mid Alignment Block Position.” This indicates the position of the Upper Midrange alignment block’s front-to-back location. The third chart called “Alexx V Upper Mid Alignment Block Step” indicates the step upon which the rear spike rests.

Section 2.3—Configuring the Lower Midrange/Tweeter Module

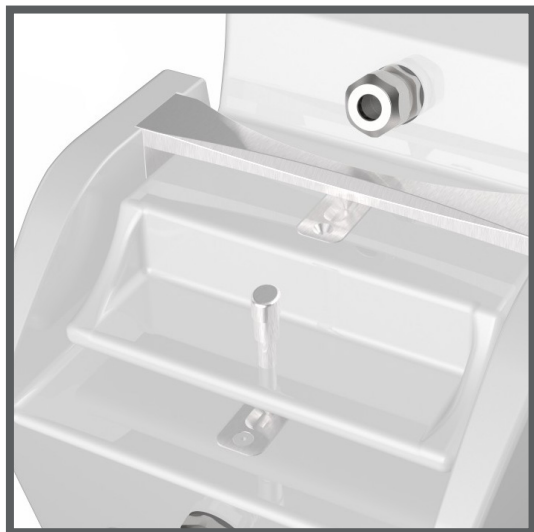
Note: This is a good time to carefully remove the protective “frisk” from the surface of the painted enclosures. Refer to the instructions in Section 3.

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Alexx V Tweeter Detent Position													
Ear Height		Listening Distance											
		8 ft	9 ft	10 ft	11 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
		2.44 m	2.74 m	3.05 m	3.35 m	3.66 m	4.27 m	4.88 m	5.49 m	6.1 m	6.71 m	7.32 m	7.92 m
48 in	122 cm	10	10	9	9	8	8	7	7	7	6	6	6
47 in	119.5 cm	10	10	9	9	8	8	7	7	7	6	6	6
46 in	117 cm	10	10	9	9	8	8	7	7	7	6	6	6
45 in	114.5 cm	10	10	9	9	8	8	7	7	7	6	6	6
44 in	112 cm	10	10	9	9	8	8	7	7	7	6	6	6
43 in	109 cm	10	10	9	9	8	8	7	7	7	6	6	6
42 in	106.5 cm	10	10	9	9	8	8	7	7	7	6	6	6
41 in	104 cm	10	10	9	9	8	8	7	7	7	6	6	6
40 in	101.5 cm	10	10	9	9	8	8	7	7	7	6	6	6
39 in	99 cm	10	10	9	9	8	8	7	7	7	6	6	6
38 in	96.5 cm	10	10	9	9	8	8	7	7	7	6	6	6
37 in	94 cm	10	10	9	9	8	8	7	7	7	6	6	6
36 in	91.5 cm	10	10	9	9	8	8	7	7	7	6	6	6

Note: This part of the install process must be completed before you install the modules into the Gantry.

1. Reference the Propagation Delay Table labeled “Alexx V Lower Mid-range Spike Length” found on the previous page. Locate the corresponding ear height and listening distance.
2. If there is number in the converging box, the Alexx V Lower Mid-range Module requires a spike. The spike number is stamped into the flat surface at the top of the spike. Locate the required spike in



the Spike Kit, and install into the rear spike receptacle on the bottom of the module.

3. At the same time, install the two “A” spikes into the front threaded spike receptacles.
4. Refer to table on the previous page labeled “Alexx V Tweeter Detent Position.” This table indicates the detent location in which the front right tweeter spike rests.
5. Loosen the tension spike located at the rear of the Tweeter Module. This will enable the module to freely move front-to-back.
6. Locate the correct number on the front right spike track. Slide the Tweeter Module so the tweeter spike is positioned in the correct detent. Carefully re-tighten the rear tension spike, making sure that the front tweeter spike remains centered in the proper detent.

Section 2.4—Mounting the Lower Midrange Module

Preparing the Gantry

1. Refer to the table on the following page called “Alexx V Lower Array Alignment Block Position.”

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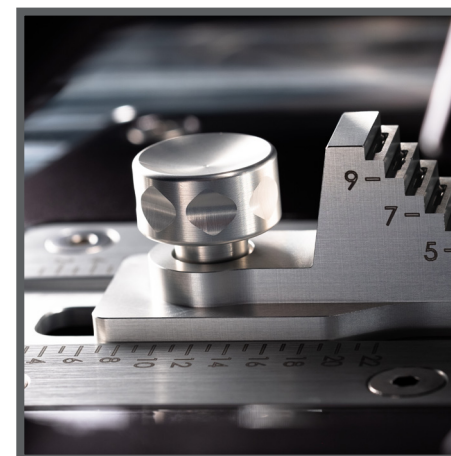
Alexx V Lower Array Alignment Block Position

Ear Height		Listening Distance											
		8 ft	9 ft	10 ft	11 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
		2.44 m	2.74 m	3.05 m	3.35 m	3.66 m	4.27 m	4.88 m	5.49 m	6.1 m	6.71 m	7.32 m	7.92 m
48 in	122 cm	7.5	10	11.5	12	13.5	15.5	16	17.5	18.5	19	20	20.5
47 in	119.5 cm	9.5	12	12.5	14	15.5	16	17.5	18	19	19.5	20.5	21
46 in	117 cm	12	13	14.5	16	16	18	18.5	19.5	20	20	21	21
45 in	114.5 cm	14	15	16.5	17	18	18.5	20	20	21	21.5	21	21.5
44 in	112 cm	9	17	17.5	18	18.5	20	20.5	21.5	21	22	22.5	23
43 in	109 cm	11	11	19.5	19.5	20.5	21	21	22	23	22.5	23	23
42 in	106.5 cm	11.5	12	20.5	21.5	21	21.5	23	22.5	23.5	24	23	23.5
41 in	104 cm	15.5	13	22.5	22.5	23	23.5	23.5	24	24	24	24.5	24
40 in	101.5 cm	16.5	17	17	24	24	24	25	24.5	25	24.5	25	25.5
39 in	99 cm	19	19	19	19	26	26	25.5	25	26	26	25.5	26
38 in	96.5 cm	21	21	21	21	20.5	26.5	26	26.5	26	26.5	26	26
37 in	94 cm	23	22	22	21.5	22	28	28	27	28	27	27.5	26.5
36 in	91.5 cm	24.5	24	24	23.5	23	22.5	28.5	29	28	27.5	28	28

- Using your ear height and listening distance, locate the proper alignment block position. This number corresponds to the numbers on the alignment block track.
- Loosen the thumb screw that secures the alignment block (looks like a staircase). The rear edge of the alignment block should line up to the number identified from the chart. Once the position is acquired, re-tighten the thumb screw.

Installing the Lower Midrange Module

Note: Enlist the help of an assistant to safely install the Lower Midrange Module into the Gantry. The module is quite heavy, and care should be taken to avoid scratching the front woofer bevel with the module's two front spikes.



Alexx V Lower Array Alignment Block Step													
Ear Height		Listening Distance											
		8 ft	9 ft	10 ft	11 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
		2.44 m	2.74 m	3.05 m	3.35 m	3.66 m	4.27 m	4.88 m	5.49 m	6.1 m	6.71 m	7.32 m	7.92 m
48 in	122 cm	6	6	6	5	5	5	4	4	4	4	4	4
47 in	119.5 cm	7	7	6	6	6	5	5	4	4	4	4	4
46 in	117 cm	8	7	7	7	6	6	5	5	5	4	4	4
45 in	114.5 cm	9	8	8	7	7	6	6	5	5	5	4	4
44 in	112 cm	1	9	8	8	7	7	6	6	5	5	5	5
43 in	109 cm	2	1	9	8	8	7	6	6	6	5	5	5
42 in	106.5 cm	3	2	9	9	8	7	7	6	6	6	5	5
41 in	104 cm	4	3	10	9	9	8	7	7	6	6	6	5
40 in	101.5 cm	4	3	2	10	9	8	8	7	7	6	6	6
39 in	99 cm	5	4	3	2	9	9	8	7	7	7	6	6
38 in	96.5 cm	6	5	4	3	2	9	8	8	7	7	6	6
37 in	94 cm	7	5	4	3	3	10	9	8	8	7	7	6
36 in	91.5 cm	7	6	5	4	3	2	9	9	8	7	7	7

1. Position your assistant to the rear of the Alexx V. Have your assistant reach through the Gantry assembly and support the bottom portion of the module in order to safely guide the module, spikes, and cables into position.
2. There are two spike tracks on the bottom plate of the Gantry, atop the woofer enclosure, that serve as guides for the two front Lower Midrange Module spikes. Carefully maneuver the Lower Midrange Module into position and gently set the front two spikes on the tracks.
3. The alignment block has numbers engraved on both sides that correspond to an assigned step. Locate the correct numbered step from the chart above and rest the rear spike on this step.

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4. Carefully position the module such that it is resting centered between the Gantry “wings” and settled completely in the correct step detent.

Section 2.5—Configuring The Upper Midrange Module

Note: This part of the install process must be completed before you install the modules into the Gantry.

1. Reference the Propagation Delay Table labeled “Alexx V Upper Midrange Spike Length” found on a following page. Locate the corresponding ear height and listening distance.
2. If there is a number in the box associated with your listening distance and ear height, the Alexx V Upper Midrange Module requires a spike. Locate the appropriate spike in the Spike Kit, and install into the rear spike receptacle on the bottom of the module.
3. Install the two “A” spikes into the front threaded spike receptacles.

Section 2.6—Mounting the Upper Midrange Module

Preparing the Gantry

1. Refer to the table found on page 26 called “Alexx V Upper Midrange Alignment Block Position.”



Alexx V Upper Midrange Spike Length													
Ear Height		Listening Distance											
		8 ft	9 ft	10 ft	11 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
		2.44 m	2.74 m	3.05 m	3.35 m	3.66 m	4.27 m	4.88 m	5.49 m	6.1 m	6.71 m	7.32 m	7.92 m
48 in	122 cm	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
47 in	119.5 cm	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
46 in	117 cm	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
45 in	114.5 cm	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
44 in	112 cm	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
43 in	109 cm	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
42 in	106.5 cm	2	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
41 in	104 cm	2	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
40 in	101.5 cm	2	2	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike
39 in	99 cm	3	2	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike
38 in	96.5 cm	3	3	2	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike
37 in	94 cm	4	3	3	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike
36 in	91.5 cm	4	4	3	3	2	2	2	2	2	No Spike	No Spike	No Spike

- Using your ear height and listening distance, locate the proper block position.

This number corresponds to the numbers on the block track.

- Loosen the alignment block thumb screw. As is true for the Lower Midrange Module, the rear edge of the alignment block should line up to the number from the chart. Once the position is acquired, re-tighten the thumb screw.



Installing the Upper Midrange Module

Note: Enlist the help of an assistant to safely install the Upper Midrange Module into the Gantry. The module is front heavy, and requires Tether Bolts to be fully secure.

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Alexx V Upper Mid Alignment Block Position

Ear Height		Listening Distance											
		8 ft	9 ft	10 ft	11 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
		2.44 m	2.74 m	3.05 m	3.35 m	3.66 m	4.27 m	4.88 m	5.49 m	6.1 m	6.71 m	7.32 m	7.92 m
48 in	122 cm	+	+	+	1.5	1.5	2	3	3.5	3.5	4	4.5	4
47 in	119.5 cm	1	2	2.5	3.5	4	4.5	4.5	4.5	5	5	5.5	5.5
46 in	117 cm	1	4.5	5	5.5	6	6	6	6.5	6.5	6.5	6	6.5
45 in	114.5 cm	4	1	2	2	8	8.5	8.5	8	8	7.5	8	7.5
44 in	112 cm	5.5	5.5	4.5	4.5	4	10	10	9	9.5	9	9	9
43 in	109 cm	7	7.5	6.5	6.5	6.5	12	12	11	10.5	10.5	10	10
42 in	106.5 cm	12.5	11	10	9.5	8.5	7.5	13.5	12.5	12.5	11.5	11	11
41 in	104 cm	16	14	13	12	11	9.5	15	14.5	13.5	12.5	12.5	11.5
40 in	101.5 cm	19	17	15	14	13	11.5	10.5	16	14.5	14.5	13.5	13
39 in	99 cm	18	20	18.5	17	15.5	13	12	17	16.5	15.5	15	14
38 in	96.5 cm	21.5	18.5	20.5	19.5	17.5	15	13.5	12	18	16.5	16	15
37 in	94 cm	17.5	21.5	19	21.5	20	17	15.5	14	19	18.5	17	16.5
36 in	91.5 cm	21	17.5	22	20	22	19	17	15	13.5	19.5	18	17.5

+	Block position is 5/16 in. towards the back of the enclosure from position #1
+	Block position is 1/4 in. towards the back of the enclosure from position #1
+	Block position is 1/8 in. towards the back of the enclosure from position #1

1. Position your assistant to the rear of the Alexx V. Have your assistant prepare to balance the module, guide the cable, and carefully guide the module onto the proper block step.
2. There are two spike tracks atop the tweeter's enclosure that serve as guide tracks for the two front spikes for the Upper Midrange Module. Carefully maneuver the Upper Midrange Module until the front two spike are positioned on the tracks.

Alexx V Upper Mid Alignment Block Step

Ear Height		Listening Distance											
		8 ft	9 ft	10 ft	11 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
		2.44 m	2.74 m	3.05 m	3.35 m	3.66 m	4.27 m	4.88 m	5.49 m	6.1 m	6.71 m	7.32 m	7.92 m
48 in	122 cm	10	10	10	10	9	8	8	7	6	6	6	5
47 in	119.5 cm	10	10	10	10	10	9	8	7	7	6	6	6
46 in	117 cm	9	10	10	10	10	9	8	8	7	7	6	6
45 in	114.5 cm	9	3	4	3	10	10	9	8	8	7	7	6
44 in	112 cm	7	6	4	4	3	10	9	8	8	7	7	7
43 in	109 cm	8	6	4	4	4	10	10	9	8	8	7	7
42 in	106.5 cm	9	7	6	5	4	3	10	9	9	8	7	7
41 in	104 cm	9	8	7	6	5	3	10	10	9	8	8	7
40 in	101.5 cm	9	8	7	6	5	4	3	10	9	9	8	8
39 in	99 cm	8	9	8	7	6	4	3	10	10	9	9	8
38 in	96.5 cm	9	7	8	8	6	4	3	2	10	9	9	8
37 in	94 cm	5	8	6	8	7	5	4	3	10	10	9	9
36 in	91.5 cm	6	4	7	6	7	5	4	3	2	10	9	9

Note: The Gantry “wing” assembly is shaped such that it is narrower at the top than at the bottom. As a result, the Upper Midrange Module can only be installed from the front, and not from above the Gantry assembly. Do not attempt to install the Upper Midrange Module from above, as doing so may result in enclosure damage to the module and to the Gantry assembly.

3. The alignment block has numbers engraved on both side that correspond to an assigned step. Locate the correct numbered step from the chart above and rest the Upper Midrange Module rear spike on this step.
4. Carefully position the module such that it is resting centered between the Gantry “wings” and settled completely in the correct step detent.

Section 2.7—Securing the Upper Midrange Module

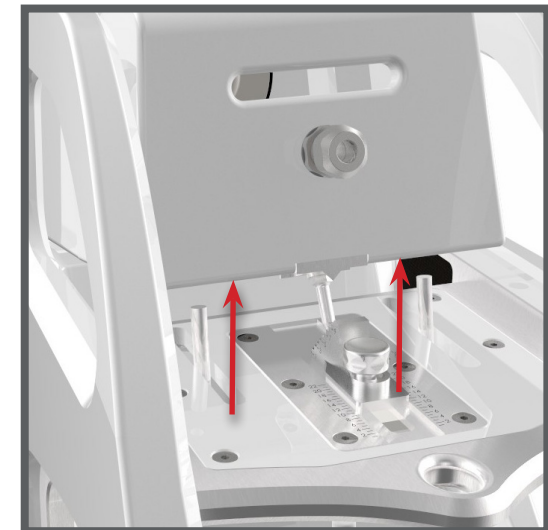
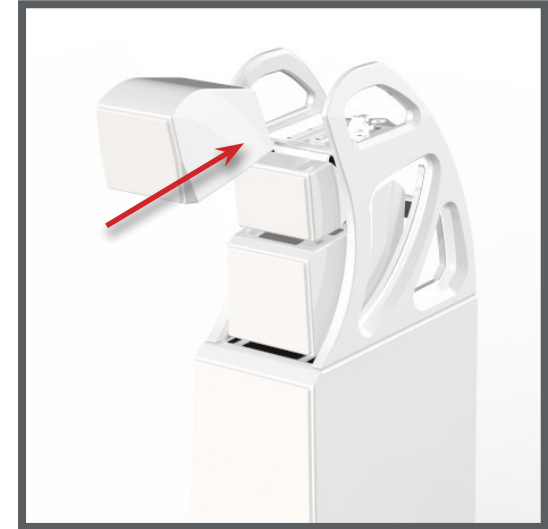
Materials Required

- 2 - Tether Bolts for each of loudspeaker's Upper Midrange Modules.

Installing The Tether Bolts

Note: Do not use any tools to tighten the Tether Bolts. Hand tighten only. Over tensioning of the bolts can damage the cross-brace material.

- Insert the Upper Midrange Module Tether Bolts up through the bottom of the slits found in the cross-brace under the Upper Midrange Module.
- There are two threaded holes on the bottom of the Upper Midrange Module. Thread the Tether Bolts into the holes, being careful not to cross-thread as the bolts are installed.



Section 2.8—Dressing and Connecting the Cables

The Alexx V features a spring-loaded cable-dressing fixture located on the rear of the Gantry cross-brace. This fixture provides a secure and efficient dressing solution for the cables.

The Alexx V also features new breach-point hardware that also double as adjustable cable clamps. This hardware provides a gas-tight entry point for the module cable, eliminating the need for a spade/binding-post system at the rear of the module. The breach point hardware allows for the length of cable



external to the module to be tailored for length. Along with obvious cosmetic benefits using the cable-dressing fixtures, in conjunction with the adjustable cable clamp system, reduces deleterious magneto constriction.

Follow these steps to properly dress the cables.

Connecting the Lower Midrange/Tweeter Modules

1. On the top rear portion of the Woofer Module, locate the connector plate with a series of labeled sets of color-coded binding posts. These connectors correspond with color-coded cables attached to each module.
2. The metal tensioner for the cable-dressing fixture, which holds the cables in place, is spring-loaded. Lift the spring-loaded metal tensioner to reveal a gap in the fixture big enough to insert the cables you want to dress.
3. Starting with the Lower Midrange Module, feed the cable exiting the adjustable breach-point wire clamp from the module up over the cross-brace. Drape the cable over the cross-brace.
4. Slightly loosen the breach-point adjustable cable clamp on the rear of the Lower Midrange Module. Using the lower connector plate as your guide, shorten the cable by pushing the slack back into the module, such that there is just enough cable to safely and successfully connect the color-coded cable to the corresponding color-coded binding posts. (A little slack is desirable.)
5. Re-tighten the adjustable breach-point cable clamp.



Note: It is extremely important to ensure the adjustable cable clamps are tightened. Failing to tighten the clamp compromises the gas-tight seal of the module. Hand-tightened to “snug” is sufficient.

6. After you have successfully shortened the exposed cable, gently pull back on the cable-dressing fixture. You will see two opposing half-ovals on the left, and another on the right. Also, notice a series of slots in the center of the fixture. Feed the cable through the slot that is closest to the appropriate binding post and release the fixture, ensuring the cable remains in the circular slot.
7. Attach the Lower Midrange Module cable to the binding post color-coding that matches the cable.
8. Repeat this process for the Tweeter Module, this time feeding the cable through the slot that is closest to the appropriate binding post on the cable-dressing fixture. Attach the Tweeter Module cable to the binding post color-coding that matches the cable.
9. Re-tighten the adjustable breach-point cable clamp on the back of the module.



Connecting the Upper Midrange Module

10. Repeat this process for the Upper Midrange Module, this time feeding the cable through the slot that is closest to the appropriate binding post on the cable-dressing fixture. Attach the Upper Midrange Module cable to the binding post color-coding that matches the cable.
11. Re-tighten the adjustable breach-point cable clamp on the back of the module.

The Alexx V uses binding posts that were designed in-house and are manufactured exclusively for Wilson Audio. The design goal was to create a connector with superior overall sound quality, consistency, and longevity.

Note: Do not push the cable through the breach-point cable clamp so far that the cable inside the enclosure touches the back of the driver cone. You will hear buzzing and/or a deterioration of the midrange quality if the cable is touching the back of the driver cone.

Note: You risk breaking the binding post if they are overtightened. Use the supplied binding post wrench and tighten until just snug.

Note: Please ensure that you do not invert the polarity of the umbilicals in the Alexx V. Such an inversion will produce entertaining ambient effects, but destroys the linearity and harmonic structure of the system.

Note: If there is a need to remove the Gantry assembly, first remove the cables out of the cable clamp and remove the upper modules.

Section 2.9—Alexx V Sono 1 Lighting System

The Alexx V features a lighting system to aid in the accurate installation and setup of the upper modules. The system consists of a bespoke Coolfall light strategically located in the rear of the Gantry. The batteries feature three levels of output, which can be adjusted via the rotary switch on the front of the light. When fully charged, the batteries will power the lights for up to 80 hours on the lowest setting (1.5 lumen). On the middle setting (5 lumen), the battery will last up to 50 hours. On the highest setting (20 lumen), the battery will last up to 24 hours. The Coolfall light location, on the inside surface of the cross-brace located on the rear of the Gantry. Follow the steps below to charge the Coolfall Sono 1 batteries.

1. The Coolfall light is secured using spring-loaded pressure hardware and can be removed and re-installed without tools. Remove the light for recharging by placing your thumbs in the grooves found on either side of the light and pull the light away from the cross-brace.
2. The light features two rechargeable batteries. Within each battery is a mini-USB port for charging. Using the provided Y-adapter, plug the adapter into any USB charger. Ensure the batteries are fully charged before reinstalling the light back into the Gantry cross-brace.
3. The lights are positioned with the adjustment knob and light facing down into the Gantry. After replacing the battery cover, gently push the light into the receptacle until it “snaps” into place.

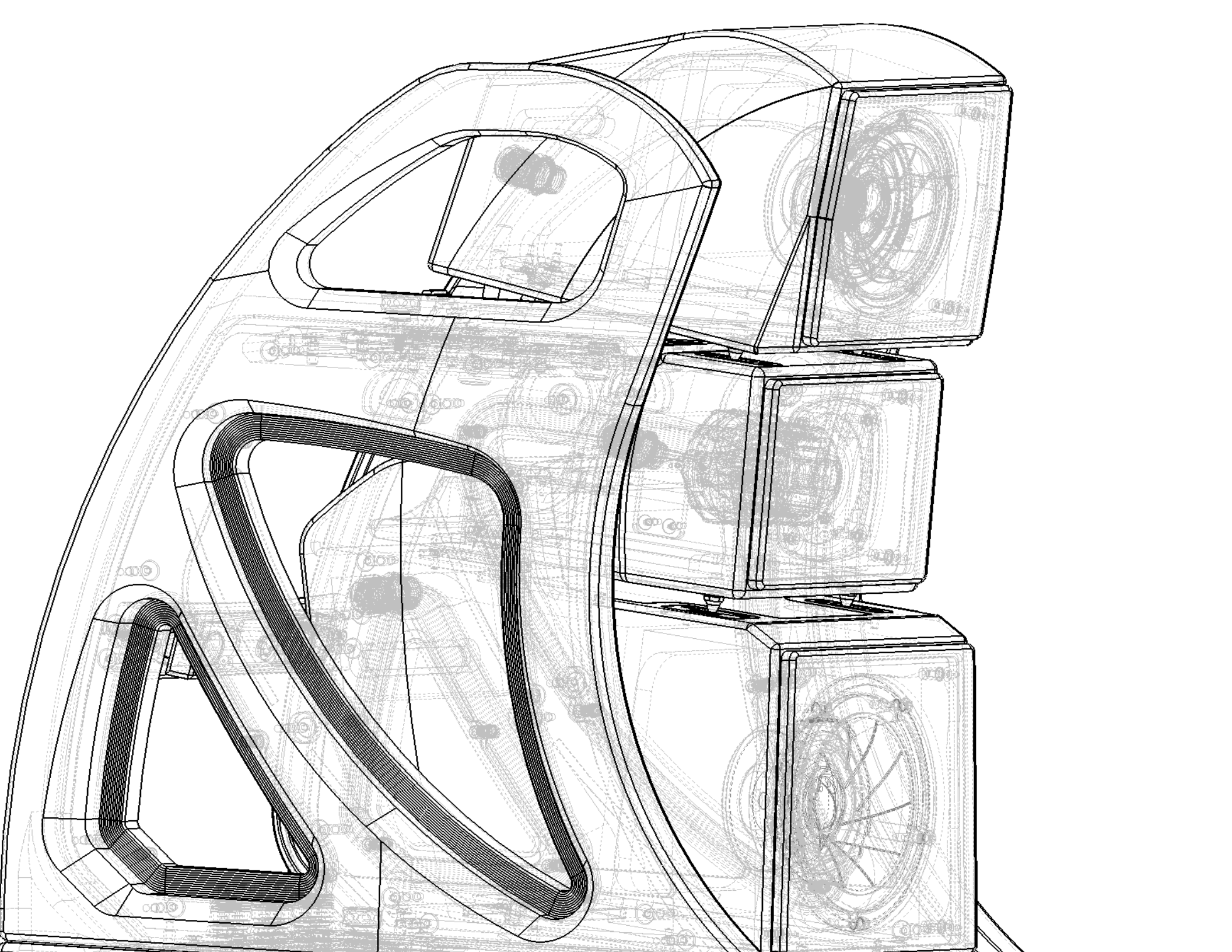


Battery Recycling or Disposal

The included batteries contain lithium and must be recycled or disposed of properly. Contact your local country solid waste authority for proper recycling or disposal information.

1. Always dispose or recycle a used battery pack in accordance with prevailing local governmental regulations relating to the disposal/recycling of household toxic wastes.
2. Cover the metal terminals on the ends of the battery pack with insulating tape before disposal to prevent accidental short-circuiting.
3. Never dispose of a battery pack by throwing it into a fire. Battery explosion could result.
4. Never discard a used battery pack with ordinary solid wastes, since it contains toxic substances.
5. If required, return to Wilson Audio Specialties Inc. for disposal or recycling. Contact your Dealer for instructions.





SECTION 3—FINAL SETUP

Section 3.1—Acoustic Diode Installation

Acoustic Diode “Spike” Assembly

- Gather the threaded spikes and install the nut to about two threads from the unthreaded point. This will allow for greater movement when leveling the loudspeaker later.
- Screw the spike/nut combo into the diode housing until the nut is against the diode. Be careful that the nut does not turn while inserting and threading spikes into the diode.

Note: Do not tighten the nut against the diode yet. You will need to unscrew them when you level the Alexx V later.

- Place the set screw into the other end of the diode with the Allen head toward the spike. This will ensure that, if for any reason you have to remove your Alexx V spikes, you will be able to withdraw the set screw safely using the supplied Allen wrench. Screw the set screw into the diode until it stops turning.
- Place the Acoustic Diode assemblies out of the traffic pattern until they are needed during the installation.



WILSON AUDIO ACOUSTIC DIODE™

Section 3.2—Using the Lift to Install Spikes

Materials Required

- 8 assembled Wilson Audio Acoustic Diodes
- The Wilson Audio Jack (“Lift”)



- Jack socket wrench
- Swivel caster wrench

Note: This is a two person job. Do not attempt this by yourself. The Alexx V weighs over 500 LBS each and may seriously injure someone if tipped over.

Installation Procedure

1. Slide the Wilson Audio Jack under the front of the Alexx V, centered between the casters, so that the jack's lift bolt is exposed. Place the lift plate so it is positioned about an inch behind the front facade of the Alexx V Woofer enclosure.

Note: An assistant should stand to the rear of the Alexx V to steady it.

2. Attach the wrench to the lift bolt and begin to slowly raise the front of the Alexx V by turning the bolt clockwise.
3. After the front of the Alexx V is high enough (you will need approximately one and a half inches of clearance beneath the caster), use the swivel caster wrench to loosen the casters. Remove the casters.
4. Insert and screw-in the finished Acoustic Diode assembly. Hand tighten only!

Note: Be very careful not to cross-thread the spikes. The base of the Alexx V is made of "X" material and can be cross-threaded if installed on an angle.

5. With one person stabilizing the Alexx V, lower the Alexx V by turning the jack wrench counterclockwise. If the spike pads are going to be used, place them under the Acoustic Diode spike tips as you lower the Alexx V down. Note that the Alexx V will now sit lower in the front as the spike assembly is shorter than the caster. **Use caution.**

Note: It is very important, at this point, that an able assistant stabilize the front of the Alexx V until the rear spikes are installed and the unit is lowered.

6. Repeat the previous process of the caster removal/Acoustic Diode installation on the opposite side of the enclosure. Then continue the process on the other channel.

Leveling the Alexx V

1. It is not necessary to use the jack to level the Alexx V, but can be a useful tool in this process.
2. Place a level on the top of the Woofer enclosure, at the rear, to check left to right oriented axis. **Note: the top of the Woofer enclosure is not flat and angles/slopes to the front. This surface should only be used for side-to-side leveling.** If the Alexx V is level side-to-side, move to the next step.
3. For leveling front-to-back you can use the surface inside the front or rear port.

4. Adjust the Acoustic Diodes spike/nuts shorter and/or longer until the bubble shows the speaker is level.
5. To find out which spike is lowest, grasp the Alexx V channel and gently rock it back and forth. This will identify the spike that is out of level from the other three.
6. You may rotate the spike tips in place by using the supplied 7/16" wrench and tightening the nut with 3/4" wrench when finished leveling. **Note: All the nuts should be tightened when finished leveling to get the best performance from the Acoustic Diodes.**
7. Repeat process on the other loudspeaker.

Section 3.3—Removing the Protective Film

To protect the finish of the Alexx V during final manufacture, shipment, and setup in your listening room, we have applied a removable layer of protective film over the paint finish. We recommend that this film be left in place until the speakers are ready to be assembled at their final location in your listening room. Once you have determined their final position, remove the film by following this procedure:

1. Ensure the speaker surface is room temperature before removing the protective film.

Note: Removing the protective film when the speaker surface is cold can damage the paint surface.

2. Slowly remove the film from the top down, large sections at a time, gently pulling the film downward and outward.

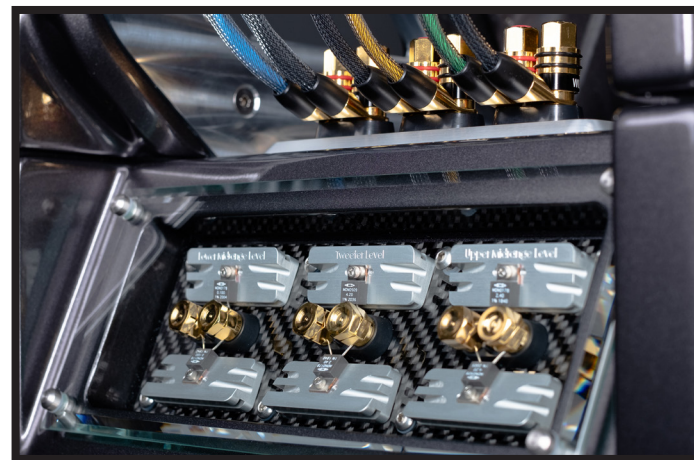
Note: Tearing the film quickly and aggressively can damage the paint.

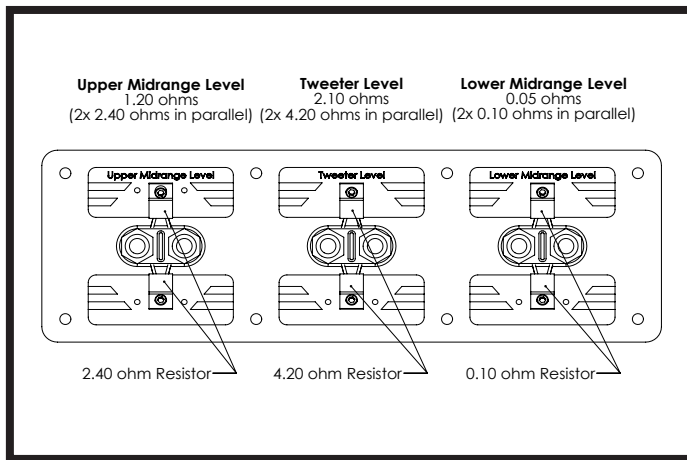
3. Take care while removing the protective film near edges and corners to prevent paint damage in these areas.
4. The protective film should not be left on the painted surface for extended periods of time nor exposed to heat sources and/or direct sunlight.

Section 3.4—Resistors

By removing the small glass cover on the upper bevel on the rear of the Woofer enclosure of your Alexx V, you may gain access to the resistor plate. These resistors serve several functions. These specialized resistors not only serve as a type of fuse to protect the Alexx V drivers, they also are used as tools for tuning the system.

Note: Only Wilson Audio replacement resistors should be used in your Alexx V. Changing the value or brand of resistor will have a deleterious affect on the sonic performance of your loudspeakers and will void your Wilson Audio Warranty.





Midrange and Tweeter Resistors

There are two separate midrange level resistors and tweeter level resistors. The upper mid (the 5.75") equals 1.20 ohms (2 X 2.40Ω in parallel). The lower mid (the 7") equals 0.05 ohm (2 X 0.10Ω in parallel). The tweeter level equals 2.10 ohms (2 X 4.20Ω in parallel). Resistors provide precise level matching for the midrange and tweeter drivers correspondingly. The resistors also act as ultra-high-quality fuses which open before a driver can be damaged by excess power (i.e. power surges, blackouts, clipping, etc.).

Woofer Damping Resistor

There is a 16.0Ω (ohm) barrel resistor for the woofer level. This resistor is preinstalled in the base of the Woofer enclosure and should not be changed by the end user.

Resistor Fine Tuning

In rare instances it may be desirable to alter the levels of the tweeter or midrange to overcome some room related tonal balance issues. Please contact your Authorized Wilson Audio Dealer for more information on how to proceed.

Note: These specialized resistors can be ordered from your Authorized Wilson Dealer or on the Wilson Audio Online Store. Only use Wilson replacement resistors in your Alexx V.

Note: If you notice the sonic qualities of your system degraded or worsen you may have resistors that are damaged. These resistors don't always "open up" like fuses and can continue to pass a signal when damaged.

This is most commonly attributed to sudden surges in the system from blackouts, clipping, or “pops” associated with disconnecting cables without muting the amps. Please replace the resistors as soon as possible to bring the performance and life back into your system.

Section 3.5—Adjusting the Alexx V’s XLF Port

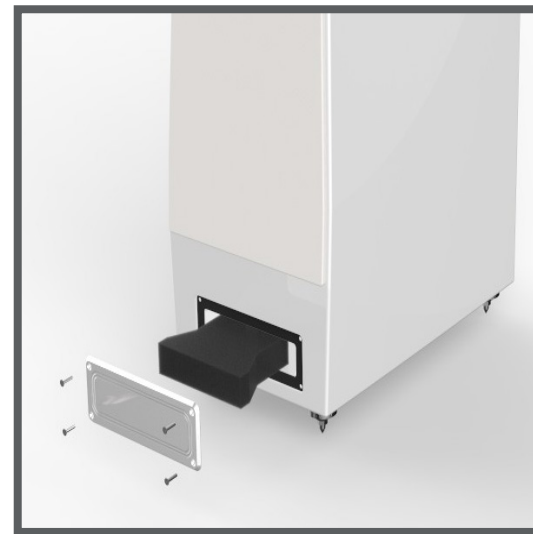
Choosing a Port Configuration

Based on the measured bass response of the two different port configurations (rear-firing or forward-firing), our experience suggests the following configurations as a starting point.

Rear-Firing Port Configuration - For inherently lossy and lean rooms, which are thus in need of additional deep bass extension, the rear-firing port configuration is recommended as a starting place for your room. In systems where the Alexx V is replacing another rear-firing bass port system, it is generally recommended that the rear-firing port configuration be initially evaluated.

Forward-Firing Port Configuration - If mid to upper bass is lean in your installation, the forward-firing port configuration is recommended as a starting point for your room. Also consider a forward-firing configuration if your installation requires the Alexx V to be installed close to the rear wall behind the speakers. However, if another loudspeaker has already proven to be too lean in this same location, start with the Alexx V’s port in the rear-firing configuration.

Because there are a vast number of acoustical environments into which





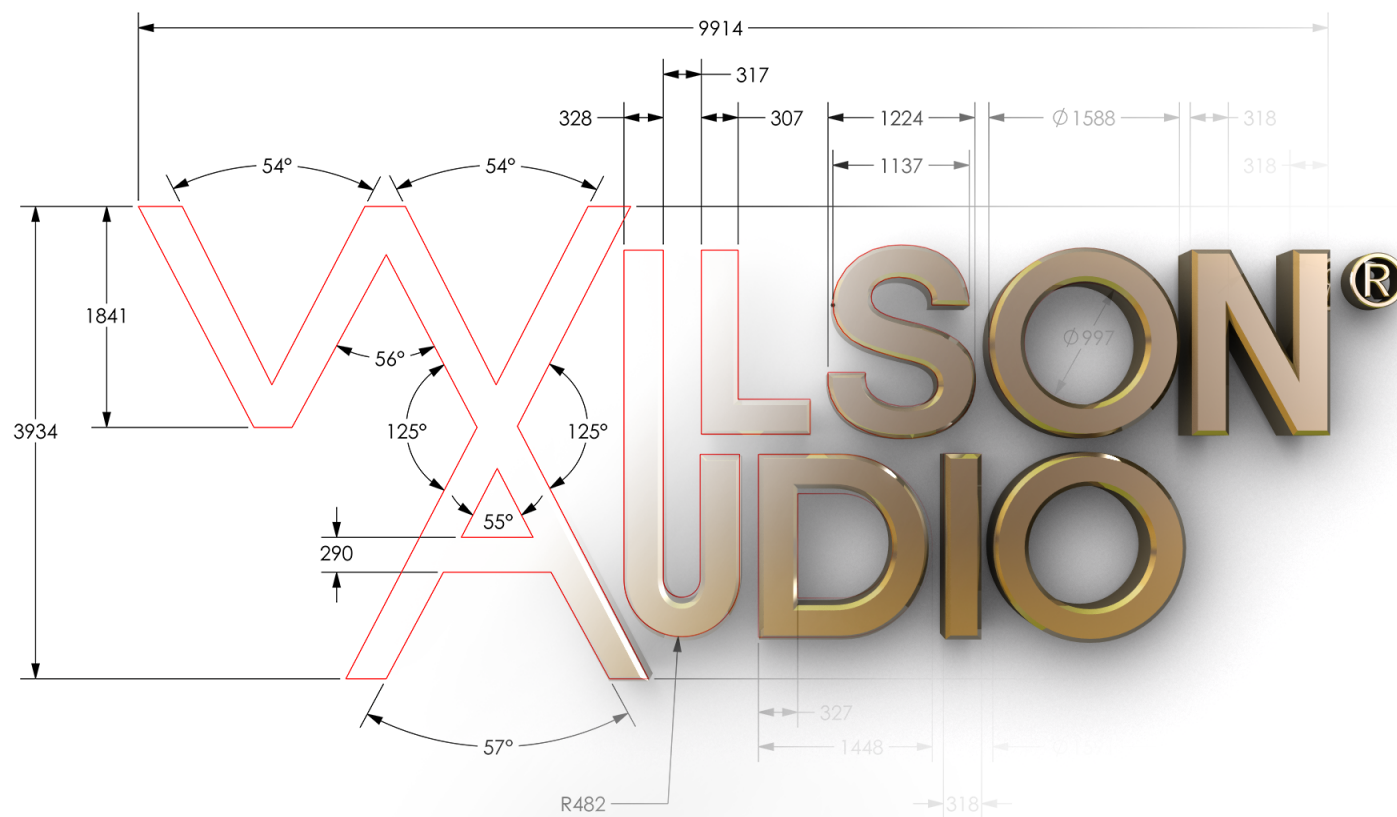
the Alexx V can be installed, it is impossible to give absolute instructions for every given room. Each Alexx V should be evaluated in its environment.

Warning: The bass performance of the Alexx V will be severely compromised if the port plug/cover are not installed in one of its two locations.

Reversing the Port Plug

The Alexx V ships with the port plug installed in the front of the Woofer enclosure for a rear-firing port configuration. To reverse the plug, do the following.

1. Locate the Allen handle and the 1/8" Allen tip from the Tool Kit. Install the Allen tip into the handle.
2. Remove the aluminum port cover plate installed over the plug by unbolting the four 10-32x3/4" flathead screws.
3. Remove the foam port plug.
4. Remove the decorative port ring from the opposite port.
5. Install the port plug into the opposite port.
6. Install the port cover plate over the plug.
7. Install the decorative port ring into the now active port.



SECTION 4—SPECIFICATIONS

Section 4.1—Specifications

Enclosure Type Woofer: XLF port, adjustable Rear or Front firing

Enclosure Type Midrange: Lower: Rear Vented / Upper: Rear Vented

Enclosure Type Tweeter: Sealed

Woofers: One—10 1/2 inch (26.67 cm)

One—12 1/2 inch (31.75 cm)

Midrange: Two—7 inch (17.78 cm) / 5 3/4 inch (14.61 cm)

Tweeter: One—1 inch (2.54 cm)

Sensitivity: 92 dB@ 1 watt (2.83V at 1 meter @1kHz)

Nominal Impedance: 4 ohms, 2.0 ohms minimal @ 250 Hz

Minimum Amplifier Power: 50 Watts per channel

Frequency Response: +/- 3 dB 20 Hz - 32 kHz

Overall Dimensions: Height—63 5/16 inches (161 cm)

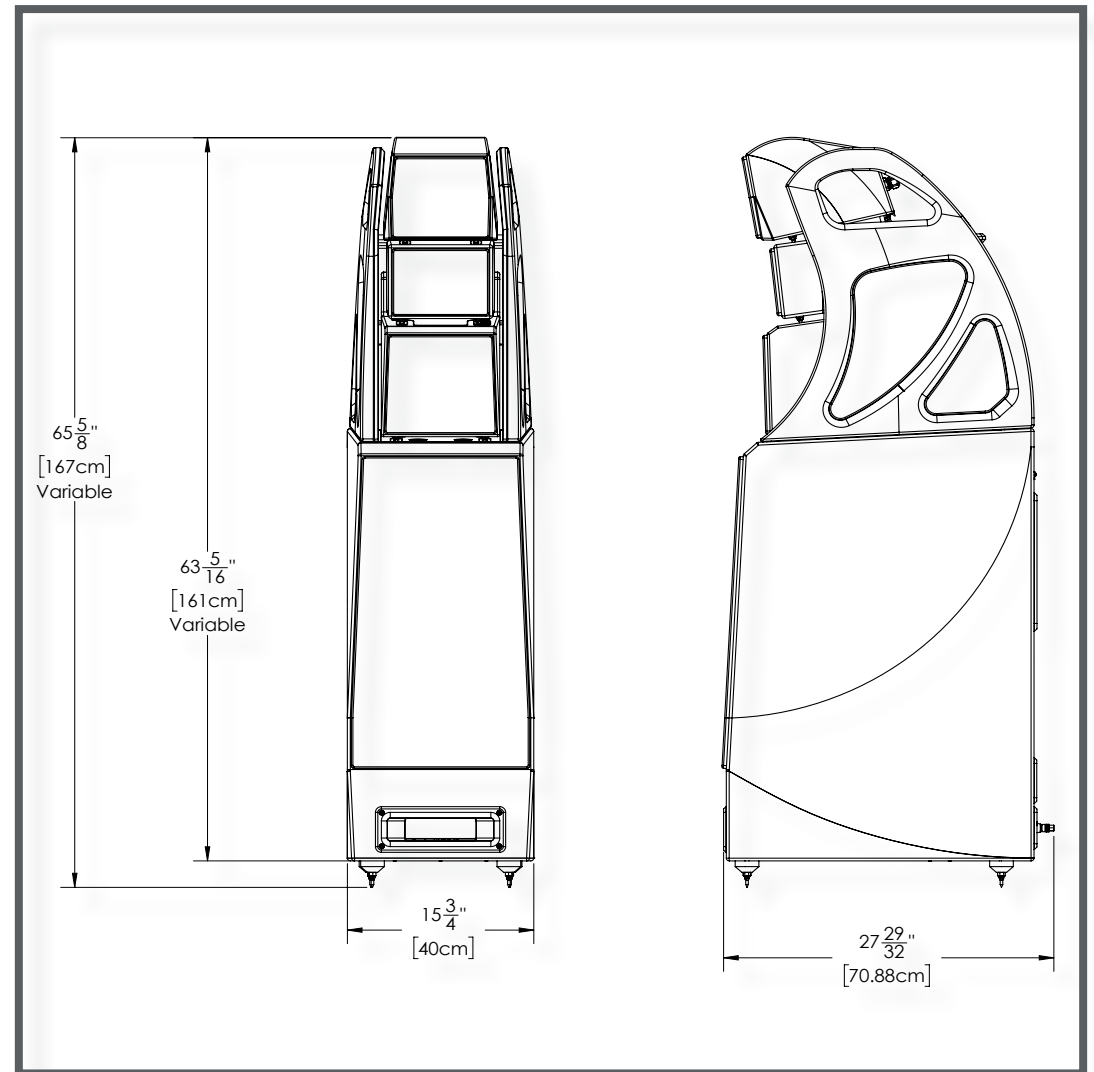
Width—15 3/4 inches (40 cm)

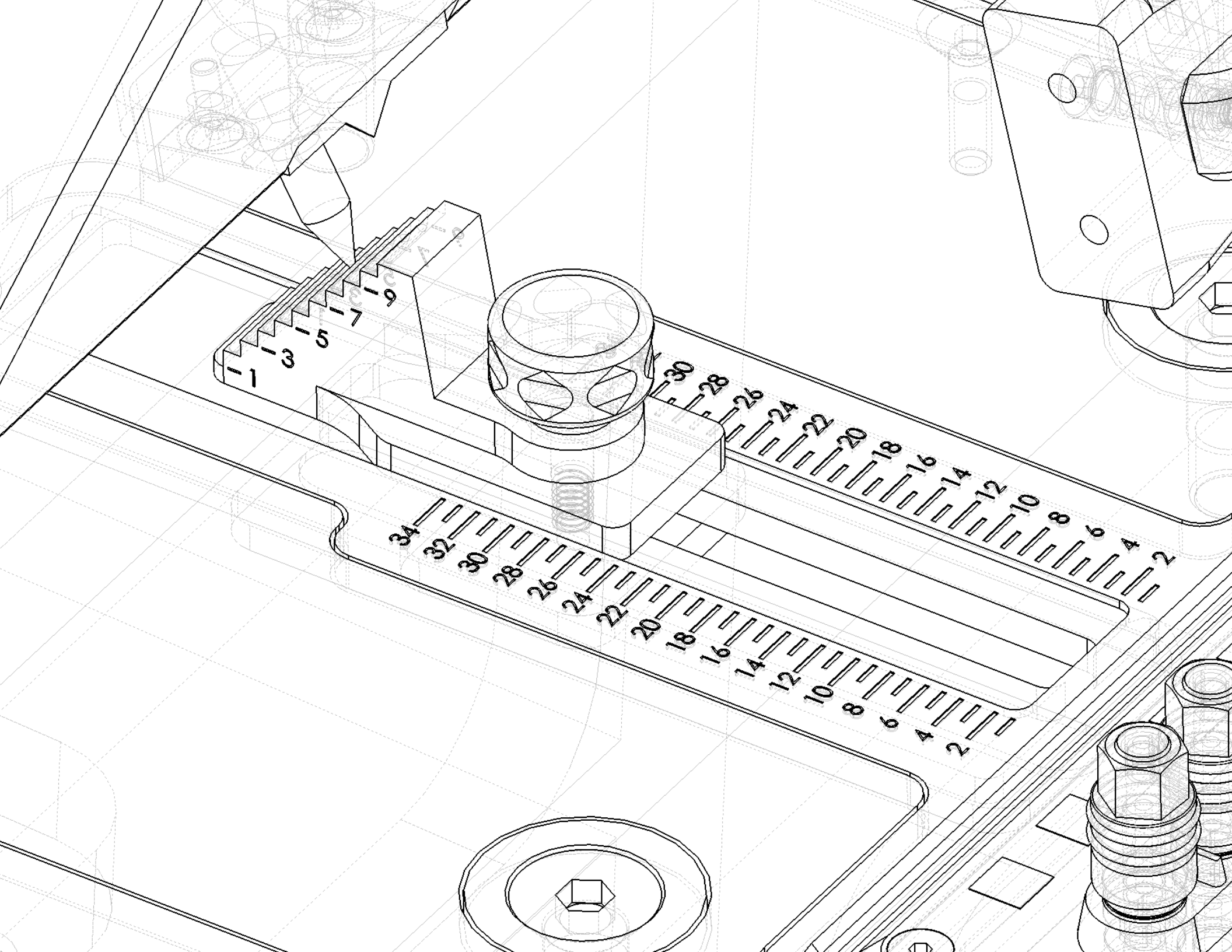
Depth—27 29/32 inches (68 cm)

System Weight *(Per Channel):* 500 lbs each (226.80 kg)

Total System Shipping Weight *(Approximate):* 1,400 lbs pair (635.03 kg)

Section 4.2—Graphical Dimensions





SECTION 5—TIME-ALIGNMENT CHARTS

50 ALEXX V INSTALLATION AND CARE GUIDE

Alexx V Lower Midrange Spike Length

Ear Height		Listening Distance											
		8 ft	9 ft	10 ft	11 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
		2.44 m	2.74 m	3.05 m	3.35 m	3.66 m	4.27 m	4.88 m	5.49 m	6.1 m	6.71 m	7.32 m	7.92 m
48 in	122 cm	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
47 in	119.5 cm	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
46 in	117 cm	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
45 in	114.5 cm	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
44 in	112 cm	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
43 in	109 cm	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
42 in	106.5 cm	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
41 in	104 cm	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
40 in	101.5 cm	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
39 in	99 cm	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
38 in	96.5 cm	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
37 in	94 cm	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
36 in	91.5 cm	2	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike

Alexx V Tweeter Detent Position

Ear Height		Listening Distance											
		8 ft	9 ft	10 ft	11 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
		2.44 m	2.74 m	3.05 m	3.35 m	3.66 m	4.27 m	4.88 m	5.49 m	6.1 m	6.71 m	7.32 m	7.92 m
48 in	122 cm	10	10	9	9	8	8	7	7	7	6	6	6
47 in	119.5 cm	10	10	9	9	8	8	7	7	7	6	6	6
46 in	117 cm	10	10	9	9	8	8	7	7	7	6	6	6
45 in	114.5 cm	10	10	9	9	8	8	7	7	7	6	6	6
44 in	112 cm	10	10	9	9	8	8	7	7	7	6	6	6
43 in	109 cm	10	10	9	9	8	8	7	7	7	6	6	6
42 in	106.5 cm	10	10	9	9	8	8	7	7	7	6	6	6
41 in	104 cm	10	10	9	9	8	8	7	7	7	6	6	6
40 in	101.5 cm	10	10	9	9	8	8	7	7	7	6	6	6
39 in	99 cm	10	10	9	9	8	8	7	7	7	6	6	6
38 in	96.5 cm	10	10	9	9	8	8	7	7	7	6	6	6
37 in	94 cm	10	10	9	9	8	8	7	7	7	6	6	6
36 in	91.5 cm	10	10	9	9	8	8	7	7	7	6	6	6

Alexx V Lower Array Alignment Block Position

Ear Height		Listening Distance											
		8 ft	9 ft	10 ft	11 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
		2.44 m	2.74 m	3.05 m	3.35 m	3.66 m	4.27 m	4.88 m	5.49 m	6.1 m	6.71 m	7.32 m	7.92 m
48 in	122 cm	7.5	10	11.5	12	13.5	15.5	16	17.5	18.5	19	20	20.5
47 in	119.5 cm	9.5	12	12.5	14	15.5	16	17.5	18	19	19.5	20.5	21
46 in	117 cm	12	13	14.5	16	16	18	18.5	19.5	20	20	21	21
45 in	114.5 cm	14	15	16.5	17	18	18.5	20	20	21	21.5	21	21.5
44 in	112 cm	9	17	17.5	18	18.5	20	20.5	21.5	21	22	22.5	23
43 in	109 cm	11	11	19.5	19.5	20.5	21	21	22	23	22.5	23	23
42 in	106.5 cm	11.5	12	20.5	21.5	21	21.5	23	22.5	23.5	24	23	23.5
41 in	104 cm	15.5	13	22.5	22.5	23	23.5	23.5	24	24	24	24.5	24
40 in	101.5 cm	16.5	17	17	24	24	24	25	24.5	25	24.5	25	25.5
39 in	99 cm	19	19	19	19	26	26	25.5	25	26	26	25.5	26
38 in	96.5 cm	21	21	21	21	20.5	26.5	26	26.5	26	26.5	26	26
37 in	94 cm	23	22	22	21.5	22	28	28	27	28	27	27.5	26.5
36 in	91.5 cm	24.5	24	24	23.5	23	22.5	28.5	29	28	27.5	28	28

Alexx V Lower Array Alignment Block Step

Ear Height		Listening Distance											
		8 ft	9 ft	10 ft	11 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
		2.44 m	2.74 m	3.05 m	3.35 m	3.66 m	4.27 m	4.88 m	5.49 m	6.1 m	6.71 m	7.32 m	7.92 m
48 in	122 cm	6	6	6	5	5	5	4	4	4	4	4	4
47 in	119.5 cm	7	7	6	6	6	5	5	4	4	4	4	4
46 in	117 cm	8	7	7	7	6	6	5	5	5	4	4	4
45 in	114.5 cm	9	8	8	7	7	6	6	5	5	5	4	4
44 in	112 cm	1	9	8	8	7	7	6	6	5	5	5	5
43 in	109 cm	2	1	9	8	8	7	6	6	6	5	5	5
42 in	106.5 cm	3	2	9	9	8	7	7	6	6	6	5	5
41 in	104 cm	4	3	10	9	9	8	7	7	6	6	6	5
40 in	101.5 cm	4	3	2	10	9	8	8	7	7	6	6	6
39 in	99 cm	5	4	3	2	9	9	8	7	7	7	6	6
38 in	96.5 cm	6	5	4	3	2	9	8	8	7	7	6	6
37 in	94 cm	7	5	4	3	3	10	9	8	8	7	7	6
36 in	91.5 cm	7	6	5	4	3	2	9	9	8	7	7	7

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Alexx V Upper Midrange Spike Length

Ear Height		Listening Distance											
		8 ft	9 ft	10 ft	11 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
		2.44 m	2.74 m	3.05 m	3.35 m	3.66 m	4.27 m	4.88 m	5.49 m	6.1 m	6.71 m	7.32 m	7.92 m
48 in	122 cm	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
47 in	119.5 cm	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
46 in	117 cm	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
45 in	114.5 cm	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
44 in	112 cm	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
43 in	109 cm	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
42 in	106.5 cm	2	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
41 in	104 cm	2	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike	No Spike
40 in	101.5 cm	2	2	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike
39 in	99 cm	3	2	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike	No Spike
38 in	96.5 cm	3	3	2	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike
37 in	94 cm	4	3	3	2	2	2	2	2	No Spike	No Spike	No Spike	No Spike
36 in	91.5 cm	4	4	3	3	2	2	2	2	2	No Spike	No Spike	No Spike

Alexx V Upper Mid Alignment Block Position

Ear Height		Listening Distance											
		8 ft	9 ft	10 ft	11 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
		2.44 m	2.74 m	3.05 m	3.35 m	3.66 m	4.27 m	4.88 m	5.49 m	6.1 m	6.71 m	7.32 m	7.92 m
48 in	122 cm	+	+	+	1.5	1.5	2	3	3.5	3.5	4	4.5	4
47 in	119.5 cm	1	2	2.5	3.5	4	4.5	4.5	4.5	5	5	5.5	5.5
46 in	117 cm	1	4.5	5	5.5	6	6	6	6.5	6.5	6.5	6	6.5
45 in	114.5 cm	4	1	2	2	8	8.5	8.5	8	8	7.5	8	7.5
44 in	112 cm	5.5	5.5	4.5	4.5	4	10	10	9	9.5	9	9	9
43 in	109 cm	7	7.5	6.5	6.5	6.5	12	12	11	10.5	10.5	10	10
42 in	106.5 cm	12.5	11	10	9.5	8.5	7.5	13.5	12.5	12.5	11.5	11	11
41 in	104 cm	16	14	13	12	11	9.5	15	14.5	13.5	12.5	12.5	11.5
40 in	101.5 cm	19	17	15	14	13	11.5	10.5	16	14.5	14.5	13.5	13
39 in	99 cm	18	20	18.5	17	15.5	13	12	17	16.5	15.5	15	14
38 in	96.5 cm	21.5	18.5	20.5	19.5	17.5	15	13.5	12	18	16.5	16	15
37 in	94 cm	17.5	21.5	19	21.5	20	17	15.5	14	19	18.5	17	16.5
36 in	91.5 cm	21	17.5	22	20	22	19	17	15	13.5	19.5	18	17.5

+	Block position is 5/16 in. towards the back of the enclosure from position #1
+	Block position is 1/4 in. towards the back of the enclosure from position #1
+	Block position is 1/8 in. towards the back of the enclosure from position #1

Alexx V Upper Mid Alignment Block Step

Ear Height		Listening Distance											
		8 ft	9 ft	10 ft	11 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
		2.44 m	2.74 m	3.05 m	3.35 m	3.66 m	4.27 m	4.88 m	5.49 m	6.1 m	6.71 m	7.32 m	7.92 m
48 in	122 cm	10	10	10	10	9	8	8	7	6	6	6	5
47 in	119.5 cm	10	10	10	10	10	9	8	7	7	6	6	6
46 in	117 cm	9	10	10	10	10	9	8	8	7	7	6	6
45 in	114.5 cm	9	3	4	3	10	10	9	8	8	7	7	6
44 in	112 cm	7	6	4	4	3	10	9	8	8	7	7	7
43 in	109 cm	8	6	4	4	4	10	10	9	8	8	7	7
42 in	106.5 cm	9	7	6	5	4	3	10	9	9	8	7	7
41 in	104 cm	9	8	7	6	5	3	10	10	9	8	8	7
40 in	101.5 cm	9	8	7	6	5	4	3	10	9	9	8	8
39 in	99 cm	8	9	8	7	6	4	3	10	10	9	9	8
38 in	96.5 cm	9	7	8	8	6	4	3	2	10	9	9	8
37 in	94 cm	5	8	6	8	7	5	4	3	10	10	9	9
36 in	91.5 cm	6	4	7	6	7	5	4	3	2	10	9	9



SECTION 6—WARRANTY

Section 6—Warranty Details

Limited Warranty

Subject to the conditions set forth herein, Wilson Audio warrants its electronics to be free of manufacturing defects in material and workmanship for the Warranty Period. The Warranty Period is a period of 90 days from the date of purchase by the original purchaser, or if both of the following two requirements are met, the Warranty Period is a period of five (5) years from the date of purchase by the original purchaser:

Requirement No. 1. No later than 30 days after product delivery to the customer, the customer must have returned the Warranty Registration Form to Wilson Audio. Alternatively, the warranty may be filled out on-line.

Requirement No. 2. The product must have been professionally installed by the Wilson Audio Dealer that sold the product to the customer.

FAILURE TO COMPLY WITH EITHER REQUIREMENT NO. 1 OR REQUIREMENT NO. 2 WILL RESULT IN THE WARRANTY PERIOD BEING LIMITED TO A PERIOD OF 90 DAYS ONLY.

Conditions

This Limited Warranty is also subject to the following conditions and limitations. The Limited Warranty is void and inapplicable if the product has been used or handled other than in accordance with the instructions in the owner's manual, or has been abused or misused, damaged by accident or neglect or in being transported, or if the product has been tampered with or service or repair of the product has been attempted or performed by anyone other than Wilson Audio, an authorized Wilson Audio Dealer Technician or a service or repair center authorized by Wilson Audio to service or repair the product. Contact Wilson Audio at (801) 377-2233 for information on location of Wilson Audio Dealers and authorized service and repair centers. Most repairs can be made in the field. In instances where return to Wilson Audio's factory is required, the Dealer or customer must first obtain a return authorization. Purchaser must pay for shipping to Wilson Audio, and Wilson Audio will pay for shipping of its choice to return the product to purchaser. A RETURNED PRODUCT MUST BE ACCOMPANIED BY A WRITTEN DESCRIPTION OF THE DEFECT. Wilson Audio reserves the right to modify the design of any product without obligation to purchasers of previously manufactured products and to change the prices or specifications of any product without notice or obligation to any person.

Remedy

In the event that the product fails to meet the above Limited Warranty and the conditions set forth herein have been met, the purchaser's sole remedy under this Limited Warranty shall be to: (1) contact an authorized Wilson Audio Dealer within the Warranty Period for service or repair of the product without charge for parts or labor, which service or repair, at the Dealer's option, shall take place either at the location where the product is installed or at the Dealer's place of business; or (2) if purchaser has timely sought service or repair and the product cannot be serviced or repaired by the Dealer, then purchaser may obtain a return authorization from Wilson Audio and at purchaser's expense return the product to Wilson Audio where the defect will be rectified without charge for parts or labor.

Warranty Limited to Original Purchaser

This Limited Warranty is for the sole benefit of the original purchaser of the covered product and shall not be transferred to a subsequent purchaser of the product, unless the product is purchased by the subsequent purchaser from an authorized Wilson Audio Dealer who has certified the product in accordance with Wilson Audio standards and requirements and the certification has been accepted by Wilson Audio, in which event the Limited Warranty for the product so purchased and certified shall expire at the end of the original Warranty Period applicable to the product.

Demonstration Equipment

Equipment, while used by an authorized Dealer for demonstration purposes, is warranted to be free of manufacturing defects in materials and workmanship for a period of five (5) years from the date of shipment to the Dealer. Demo equipment needing warranty service may be repaired on-site or, if necessary, correctly packed and returned to Wilson Audio by the Dealer at Dealer's sole expense. Wilson Audio will pay return freight of its choice. A returned product must be accompanied by a written description of the defect. Dealer owned demonstration equipment sold at retail within two (2) years of date of shipment to the Dealer is warranted to the first retail customer to be free of manufacturing defects in materials and workmanship for the same time periods as if the product had originally been bought for immediate resale to the retail customer. Wilson Audio products are warranted for a period of 90 days, unless extended to 5 years, as provided above, by return and filing of completed Warranty Registration at Wilson Audio within 30 days after product delivery to customer and the product was professionally installed by the Wilson Audio Dealer that sold the product to the customer.

Miscellaneous

ALL EXPRESS AND IMPLIED WARRANTIES NOT PROVIDED FOR HEREIN ARE HEREBY EXPRESSLY DISCLAIMED. ANY LEGALLY IMPOSED IMPLIED WARRANTIES RELATING TO THE PRODUCT SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. THIS LIMITED WARRANTY DOES NOT EXTEND TO ANY INCIDENTAL OR CONSEQUENTIAL COSTS OR DAMAGES TO THE PURCHASER.

Some states do not allow limitations on how long an implied warranty lasts or an exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.



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PARTS STORE



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