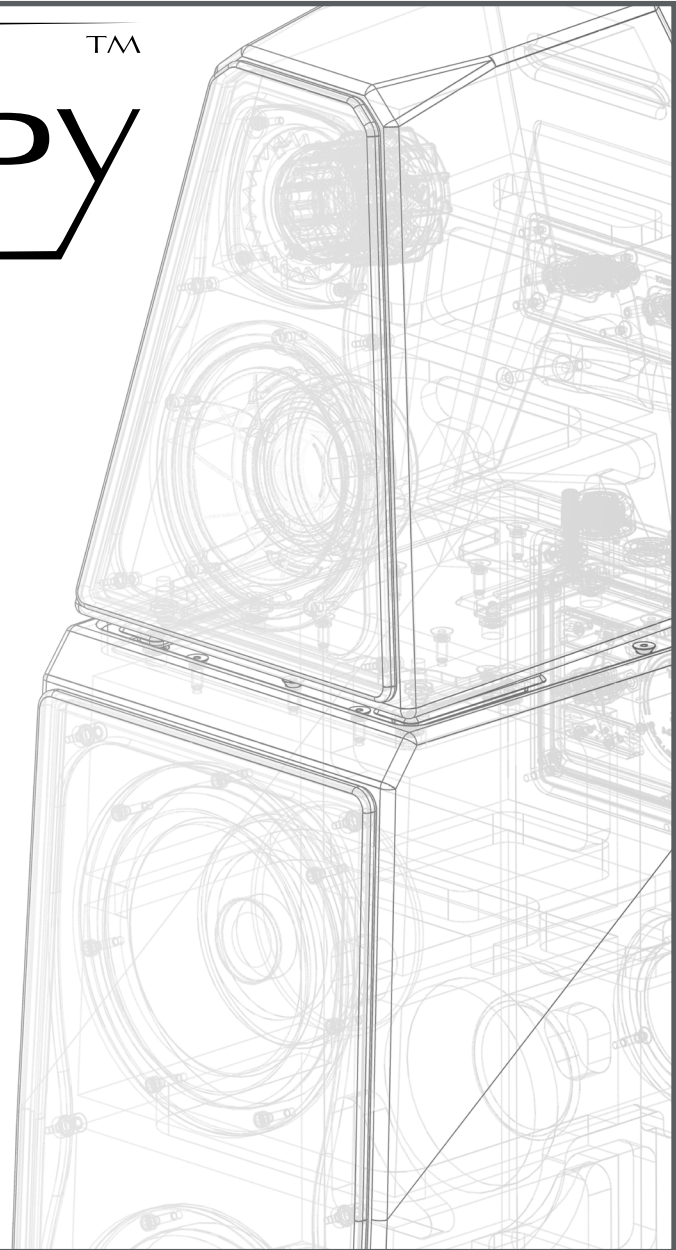


THE **WATT/PUPPY**™



INSTALLATION AND CARE GUIDE

WILSON
AUDIO

WA DEALERS



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MID FREQUENCY

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SECTION 1—WASP SETUP

SECTION 1—WASP

An instructional video outlining the Wilson Audio Setup Procedure (WASP) can be found here:

www.wilsonaudio.com/wasp

The proper positioning of The WATT/Puppy 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 Audio loudspeakers. Your authorized Wilson Audio Dealer is trained in this process, and is the best resource for you to ensure your loudspeakers are setup properly.

Viewing the video is the best way to learn how to properly employ the WASP, but we have also included a simplified 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 towards the listening chair. 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



WASP VIDEO

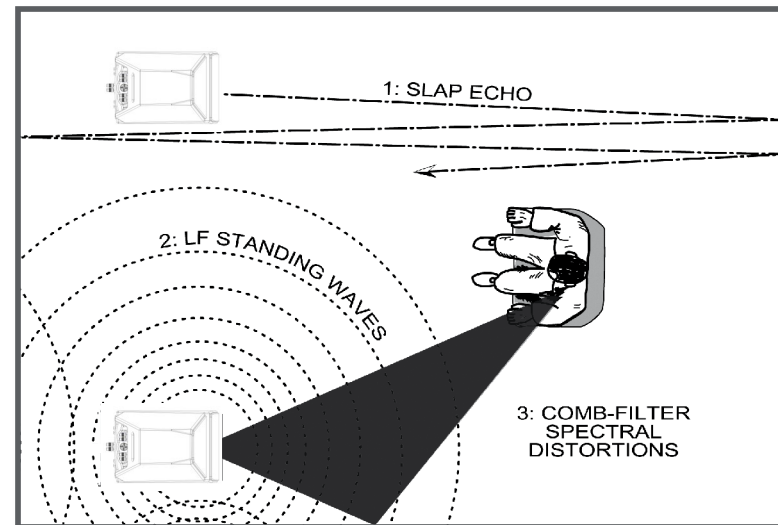
to assist you during this process. Listen to how your voice “frees up” from the added bass energy imparted by the rear wall boundary. Also, notice that your voice is quite spatially diffuse (to your assistant, your voice will sound spatially large and difficult to localize) as you begin to ease away 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 more noticeably 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 and distracting interaction with the 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.

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



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 becomes 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. A guideline, but not a fixed rule, is 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 9' apart, you should be sitting roughly 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, or exactly in the center of a room, 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 and change the tonal balance of the music.

Adhering to the Wilson Audio Setup Procedure outlined in this section, and as shown in the instructional video we link to, is the best method with which to position your loudspeakers.

A 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 degradation 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.

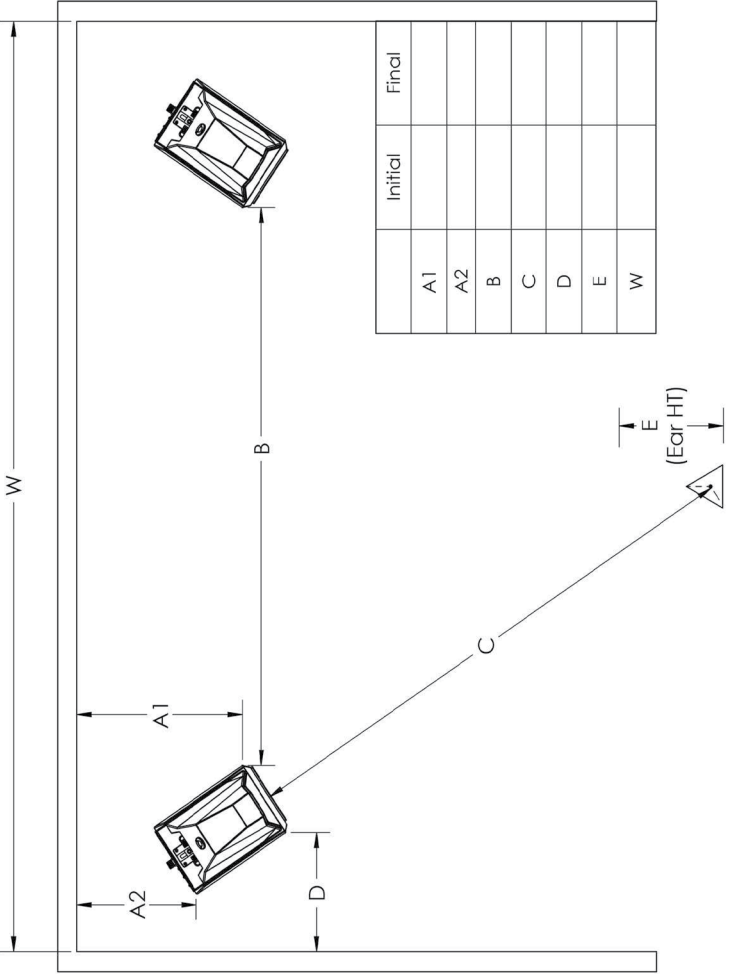
To make correct in-home setup of The WATT/Puppy possible without test equipment, Wilson Audio has measured the correct geometric time domain alignment for different distance/ear height combinations. By measuring the distance from the speaker to your ear (measured on the floor from the bottom/front of the Woofer to directly below the ear canal) when seated in the listening position, as well as height of the listener's ear (the distance from the floor to the center of the ear canal when sitting relaxed), you will be able to align the system for your listening position. Learn more about this in Section 3.

Date of Calibration: _____

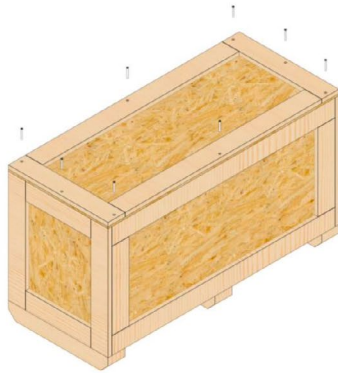
Location of Calibration: _____

| GRID DISTANCE "A" FROM WALL BEHIND SPEAKERS | L.F. LOW BASS EXTENSION | L.F. UPPER BASS QUALITY | SOUND STAGE CENTER FOCUS | SOUND STAGE AMBIENT BLOOM | HARMONIC BALANCE | SENSE OF DYNAMICS | FLOW |
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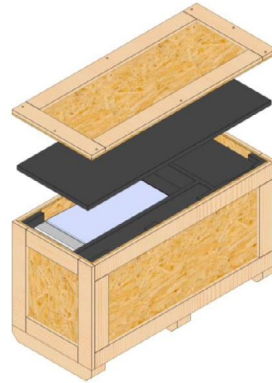
NOTES: _____



1. Remove screws as shown in image.

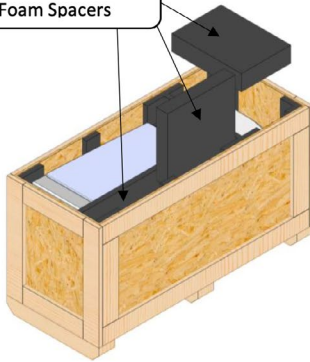


2. Remove and set aside crate lid and foam piece.

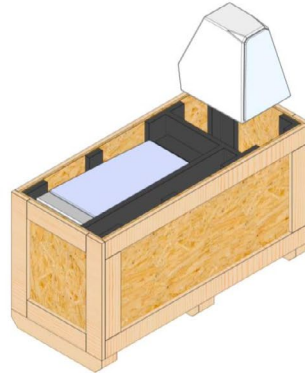


3. Remove tool kit, spike kit, manual and foam spacers. Set aside.

Spike kit, Tool kit, Manual
and Foam Spacers



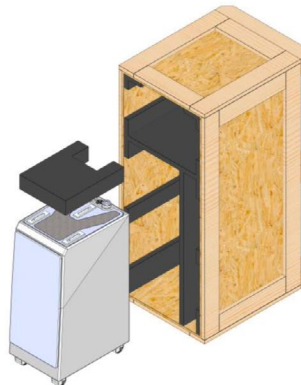
4. Remove upper module and set aside.
Use caution to prevent damage.



5. With help, lift crate up so that the lower module is resting on the casters.
Use caution to prevent damage.



6. With help, roll lower module out of the crate and remove foam spacer.
Use caution to prevent damage.



SECTION 2—UNCRATING THE WATT/PUPPY

Note: You will have two Upper Array (WATT) enclosures as well as two Woofer Module (Puppy) enclosures to unpack. The two enclosures for each of the channels will need to be separated into right and left channels. Clear out two spaces in your room, one for your left and one for your right channels. For channel matching, place the ODD numbered enclosures in the LEFT channel position and the EVEN numbered enclosures in the RIGHT channel position.

SECTION 2—UNCRATING THE WATT/PUPPY

Note: Please remove any jewelry such as rings, watches, necklaces, and bracelets along with covering belt buckles and zippers during this process to avoid damaging The WATT/Puppy's painted surface.

Initial Check

The WATT/Puppy is shipped in a total of two wooden crates (*see page 12 for visual guide*). Upon receiving these crates, please check their condition. If any of the crates are damaged, please report it to the shipping company immediately for insurance verification.

The following items are recommended for this procedure:

- Electric Screwdriver
- Phillips Head Bit
- Suitable Tool to cut the band around crates

Uncrating the Woofer Module

A minimum of two strong adults is required to setup The WATT/Puppy.

1. Cut the band wrapped around the crate. With the crate lid facing up, unscrew the wood screws securing the lid. Remove the lid. Each crate will have a single WATT enclosure and a single Puppy enclosure.

2. One of the crates contains this Installation and Care Guide, the Tool Kit, and the Spike Kit (*see page 16*). Remove these and all other documents found in the crate and place in a safe, easy to retrieve location.
3. Carefully lift the WATT enclosure out of the crate and set it in a safe location. When removing the WATTs, take care so as not to hit the modules on the crate and scratch the paint. Using the handle on the rear of the module, tilt the module so there is access to the bottom side. Slide the other hand under the WATT for support, and carefully lift the enclosure out of the crate.
4. While ensuring the Puppy doesn't roll out of the crate during this step, carefully lift the crate upright so that the Puppy is now vertical with the woofer bottom facing the floor.
5. Reach in the crate and gently roll the Puppy out of the crate, gently, so as not to hit the Puppy on the crate edges and scratch the paint.
6. Repeat steps 1-5 for the other crated channel.
7. Place The WATT/Puppy with an odd serial number on the left side of the room and The WATT/Puppy with an even serial number on the right side of the room.

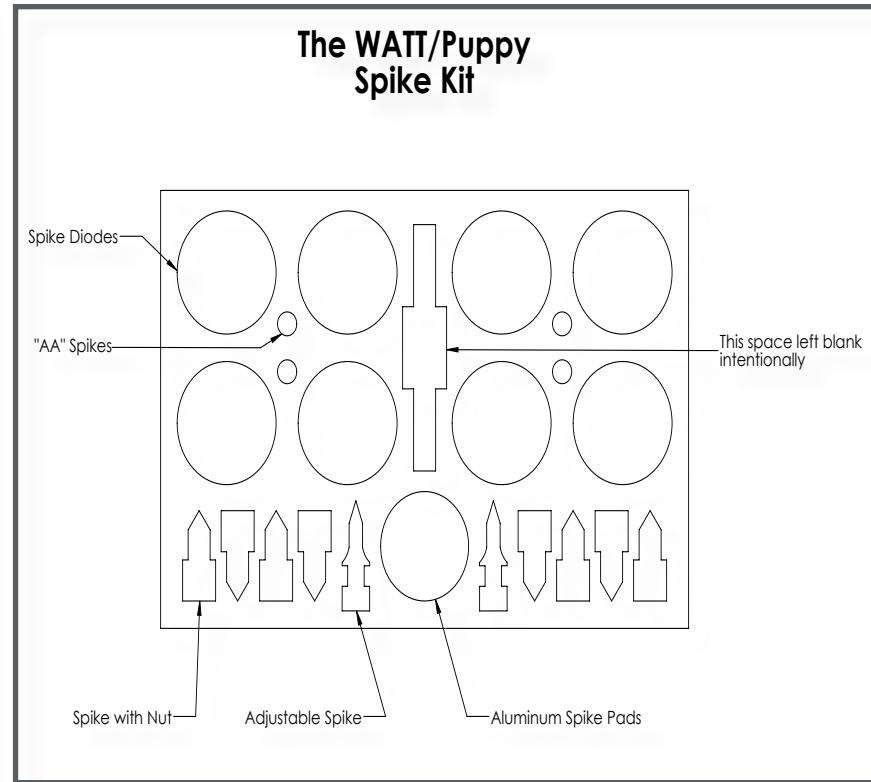
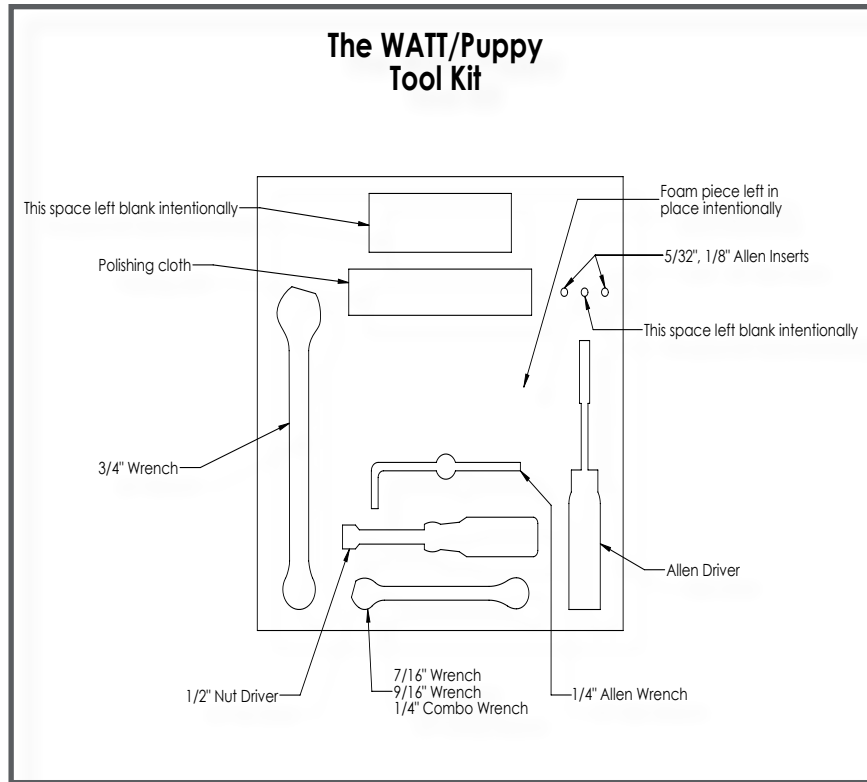
Note: The Puppy is very heavy and care should be taken to prevent injury. Roll the Puppy with drivers facing forward for the best stability.

8. The cloth grilles are attached to the enclosures. Detach the grilles from each enclosure and remove the protective plastic covering the grilles.

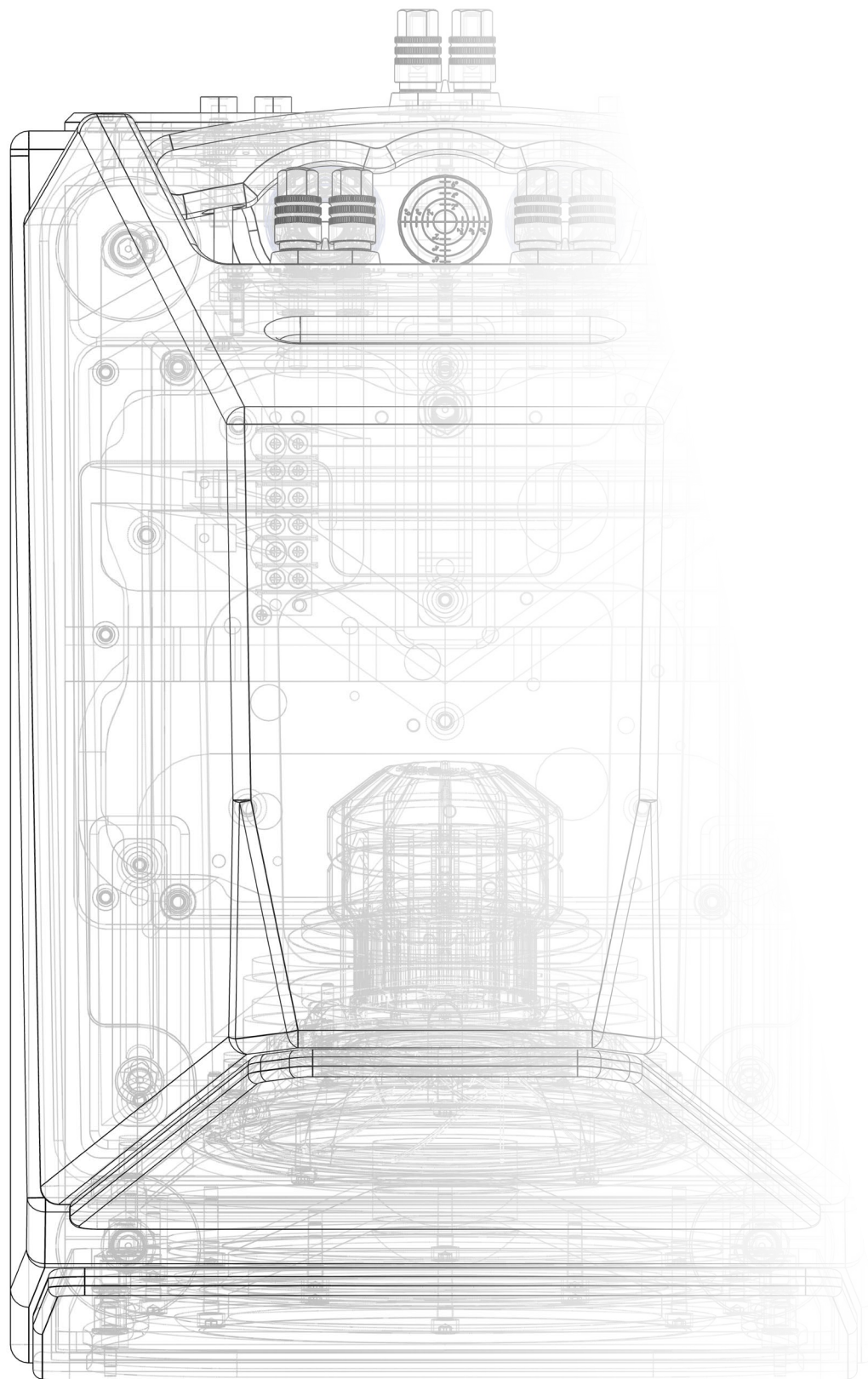
Note: After the system is setup, keep the shipping crates for future shipping needs.

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You will be using tools/parts in these kits throughout the installation process. Keep The WATT/Puppy Tool Kit and Spike Kit at hand.







SECTION 3—ASSEMBLING THE WATT/PUPPY

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Note: Before setting up The WATT/Puppy, please carefully study Section 1 and/or watch the WASP video linked in the same section. They provide valuable information on determining the ideal room location for your speakers.

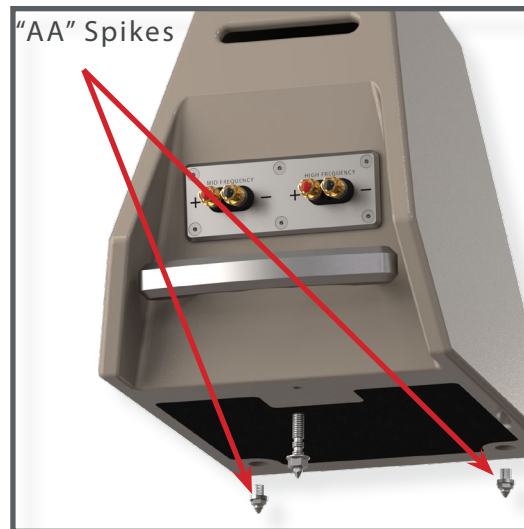
SECTION 3.1—INITIAL ASSEMBLY

Preparation

You will need the following items:

- Supplied Tool & Spike Kits
- Tape Measure
- Time Alignment Chart (*see Section 6*)
- Known Listening Position
- Masking Tape & Pen

Take a moment to familiarize yourself with the hardware on the top of the Woofer Module (Puppy). The Time Alignment Chart is located in Section 6.



Upper Array (WATT) Assembly

The WATT uses “AA” spikes on the front of the enclosure (*see graphic above*) and an adjustable spike/nut installed at the bottom rear of the enclosure. The spikes rotate the WATT to a prescribed position as a part of The WATT/Puppy’s propagation delay adjustment and correction for your unique listening position. Shorter “AA” spikes are always installed in the front two positions (the threaded holes located near the bottom front of the enclosure). The spike-type is stamped on the spike. The spikes

should be screwed in all the way, until they are hand tight. Use the 7/16" Wrench to "snug" the spike to the enclosure. **Do not over tighten spikes.**

SECTION 3.2—PROPAGATION DELAY ADJUSTMENT

Listening Position

The WATT/Puppy time alignment design and unique architecture accounts for different listening distances (away from the speakers) and listening ear heights (measured distances from the floor to your ear). For each distance/ear height combination there is a custom alignment geometry.

To make correct in-home setup of The WATT/Puppy possible without test equipment, Wilson Audio has provided the correct geometric time domain alignment for different distance/ear height combinations. This information can be found in the Time Alignment Chart in Section 6. By measuring the distance from the speaker to your ear when seated in the listening position (measured on the floor from the bottom/front of the Puppy to directly below the ear canal), as well as the height of the listener's ear (distance from the floor to the center of the ear canal while comfortably sitting), you will be able to align The WATT/Puppy so it is extremely accurate in the time domain for your personalized installation.

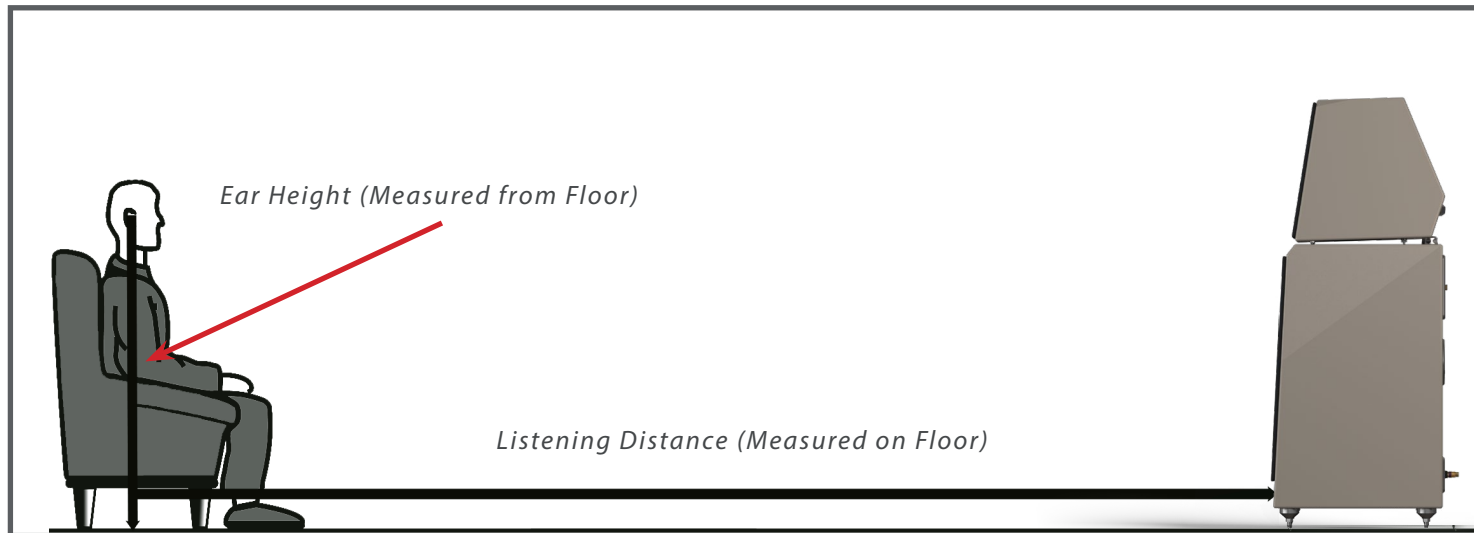
Alignment Procedure

Locate the Time Alignment Chart in Section 6. This table contain critical information that will guide you to position the WATTs for optimized propagation delay accuracy. The rear of the WATT is adjusted vertically based on the length of the adjustable spike. The Time Alignment Chart contains information on the appropriate length of the rear spike and how to read the markings on the spike itself. The spike length is determined by the distance/ear relationship of the installation.

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Determine the alignment of the WATT as follows. Repeat each step of this procedure on the left and right channels simultaneously.

1. Refer to the Time Alignment Chart from Section 6 in this manual labeled “WATT Rear Spike Length” and place it close by for easy reference.
2. Make sure that you are in your intended listening position.
3. While sitting comfortably, have someone measure your ear height from the floor directly below your ear canal. You should be relaxed in your chair, as you would be when listening to music.
4. Now measure the distance from the point on the floor directly below your ear to the center point between the spikes on the front bottom of the Puppy baffle.

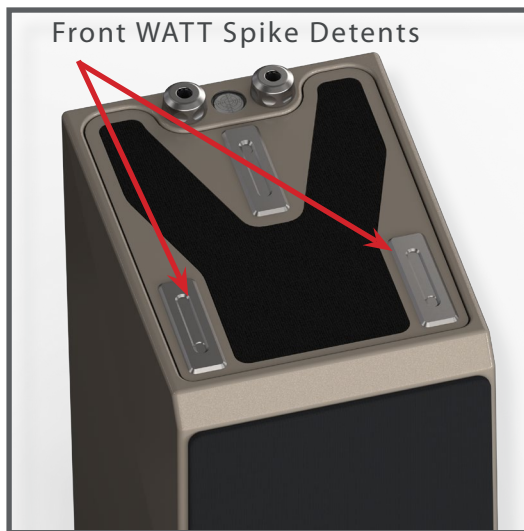


5. Refer to the Time Alignment Chart (*see Section 6*) and locate the corresponding ear height and listening distance for the chart.
6. Make a mark on the chart labeled “WATT Rear Spike Length” indicating the proper rear spike length for the WATT.

Note: The shortest spikes (labeled “AA”) are always used at the front of the WATT.

SECTION 3.3—MOUNTING THE WATT

Install the WATT as Follows



1. Install the front pair of short (“AA” length) spikes into the bottom of each WATT. Use the 7/16” Wrench to “snug” the “AA” spikes to the enclosure. **Do not over tighten spikes.**
2. Refer to the table labeled “WATT Rear Spike Length” and adjust the rear adjustable spike to the appropriate length as indicated by the spike graphic next to the “WATT Rear Spike Length” table. The length is determined by using the ear height and listening distance for your system. Use the 9/16” Wrench to “snug” the spike to the enclosure. **Do not over tighten nut to the enclosure.**
3. With the front spikes pointing down, **carefully** lower the WATT onto the Puppy and set the spikes down on the front spike tracks. The WATT should be moved as far forward as possible in the spike track detent.

NOTE: Take caution not to scratch the painted surface with the alignment spikes as you install the WATT. The front bevel on the Puppy is particularly vulnerable.

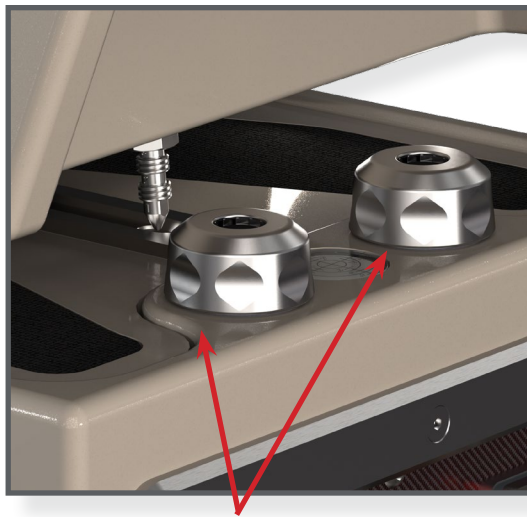
SECTION 3.4—UMBILICAL CONNECTIONS

The correct connection of the two umbilicals to the WATT is as follows:

1. Locate the binding post labeled “MID FREQUENCY.”
2. Locate the cable directly below this binding post. This cable exits the top of the Puppy just below the appropriate connector. If the cable clamp hardware is not loose, unscrew it until the cable can move in and out of the enclosure freely.
3. Connect the RED spade of the cable to the RED (positive) terminal labeled “MID FREQUENCY.” Connect the BLACK spade of the cable to the BLACK (negative) terminal. Tighten binding post nut with the 1/2” Driver found in the Tool Kit. **Do not over tighten.**
4. Locate the cable directly below the binding post labeled “HIGH FREQUENCY.” Repeat steps #2 and #3. **Do not over tighten.**
5. Once the cables are connected correctly to the binding posts make sure to tighten the cable clamp hardware at the base of the cable to ensure the Puppy enclosure is sealed. Excess cable can be feed down into the Puppy before the cable clamp hardware is tightened so the cables are presented in an organized fashion.
6. Using the form found on page 11, identify the best sounding location in your listening room before installing the spikes under your Puppys.



Note: Please ensure that you do not invert the polarity of the umbilicals or connect the cables to the wrong binding posts on The WATT/Puppy. Connecting the wrong cables to the wrong binding posts will void the warranty and potentially damage the drivers.



Note: Hand-tighten cable clamps when finished connecting cables



SECTION 4—FINAL SETUP

SECTION 4.1—SPIKING THE WATT/PUPPY

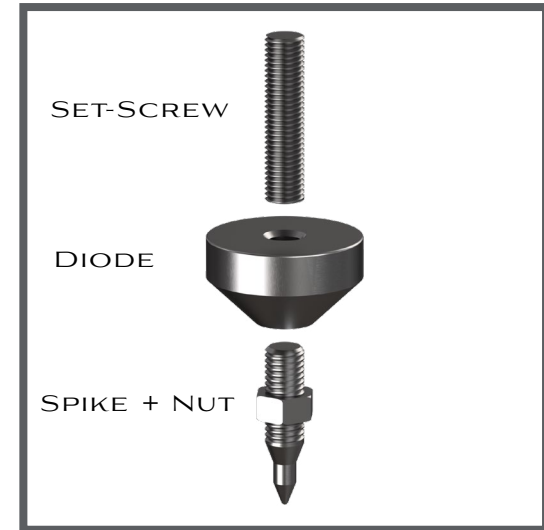
Your Dealer is trained in the art and science of the Wilson Audio Setup Procedure (WASP) outlined in Section 1. Before the Spike & Diode assemblies are attached to the bottom of The WATT/Puppy, the setup and fine tuning of your loudspeaker should be completed. Before moving The WATT/Puppy to install spikes, use masking tape to carefully mark the floor around the bottom of the Woofer Module to use as a reference after the spikes are installed. Most Authorized Wilson Audio Dealers use the Wilson Audio metal “sliders” which allows the speaker to be spiked and moved easily during the installation process.

Spike & Diode Assembly

- Remove the all-thread set-screw from the bottom of the enclosure when removing the casters.
- Gather the threaded spikes and install the nut to about three threads from the unthreaded spike tip. 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.

Note: Do not tighten the nut against the diode yet. You will need to unscrew them when you level The WATT/Puppy later.

- Thread 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 the spikes, you will be able to withdraw the set-screw safely using the supplied Allen wrench.



SPIKE & DIODE SET

- Place the Spike & Diode assemblies out of the traffic pattern until they are needed during the installation.

Materials Required

- 8 Assembled Spike & Diodes
- 3/4" Wrench
- Masking Tape

Note: Be very careful not to cross-thread the Spike & Diode assembly. The base of The WATT/Puppy is made of X-Material and can be cross-threaded if the Spike & Diode assembly is installed at an angle.

Note: This is a two person job. Do not attempt this by yourself. The WATT/Puppy is heavy and may seriously injure someone if tipped over. An assistant should stand to the rear of The WATT/Puppy to steady it. Using the Wilson Audio Jack is recommended and simplifies this process.



Installation Procedure

1. Take care to mark the exact location of The WATT/Puppys with masking tape to ensure the speakers can be returned to their exact setup position.
2. If leaning The WATT/Puppy to the side safely while securing the WATT is not an option, or an assistant is unavailable to help stabilize the system for this step, remove the WATT from the Puppy. Lay a furniture pad or soft blanket adjacent to the Puppy to protect the paint. Carefully lay the Puppy on its side.
3. Using the 3/4" wrench, remove the nut securing the caster and slide the castor off of the set-screw. Remove the all-thread set-screw from the bottom of the Puppy.

4. Insert the Spike & Diode assemblies into the four holes located on the bottom of each Puppy. Tighten until the top surface of the Spike & Diode assembly touches the bottom surface of the X-Material plate on the bottom of the Puppy. **Hand tighten only!**
5. Taking care to observe the location of the Puppy relative to the masking tape used during the WASP documentation, return the Puppy to the precise location marked on the ground in an upright position.
6. If previously removed, re-install the WATT atop the Puppy.

SECTION 4.2—LEVELING THE WATT/PUPPY

1. The WATT/Puppy comes equipped with a built-in bubble level found on the top of the Puppy. Look at that bubble level and determine if The WATT/Puppy is level or which side of the enclosure is lower than the rest making the enclosure uneven.
2. To find out which spike is lowest, grasp The WATT/Puppy enclosure and **gently** rock it back and forth. This will identify the spike that is out of level from the other three.
3. Adjust the spike/nuts shorter and/or longer until the bubble shows the speaker is level.
4. When finished leveling, tightening the spike nut with 3/4" wrench. **Note: When finished leveling all the nuts should be "snug" to get the best performance from the Spike & Diodes. Do not over-tighten.**
5. Repeat process on the other loudspeaker.

SECTION 4.3—REMOVING THE PROTECTIVE FILM

To protect the finish of The WATT/Puppy during manufacturing, 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 4.4—RESISTORS

On the rear of the Puppy, you have access to the resistor panel. These resistors serve several functions. These specialized resistors not only serve as a type of fuse to protect The WATT/Puppy drivers, they are also used as tools for tuning the system.

Note: Only Wilson Audio replacement resistors should be used in The WATT/Puppy. Changing the value or brand of resistor will have a potentially negative effect on the sonic performance of your loudspeakers and can void your Warranty.

Midrange and Tweeter Resistors

The midrange resistors equal 2.4 ohms (2 X 4.8Ω in parallel). The tweeter resistors equal 1.05 ohms (2 X 2.1Ω 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.).

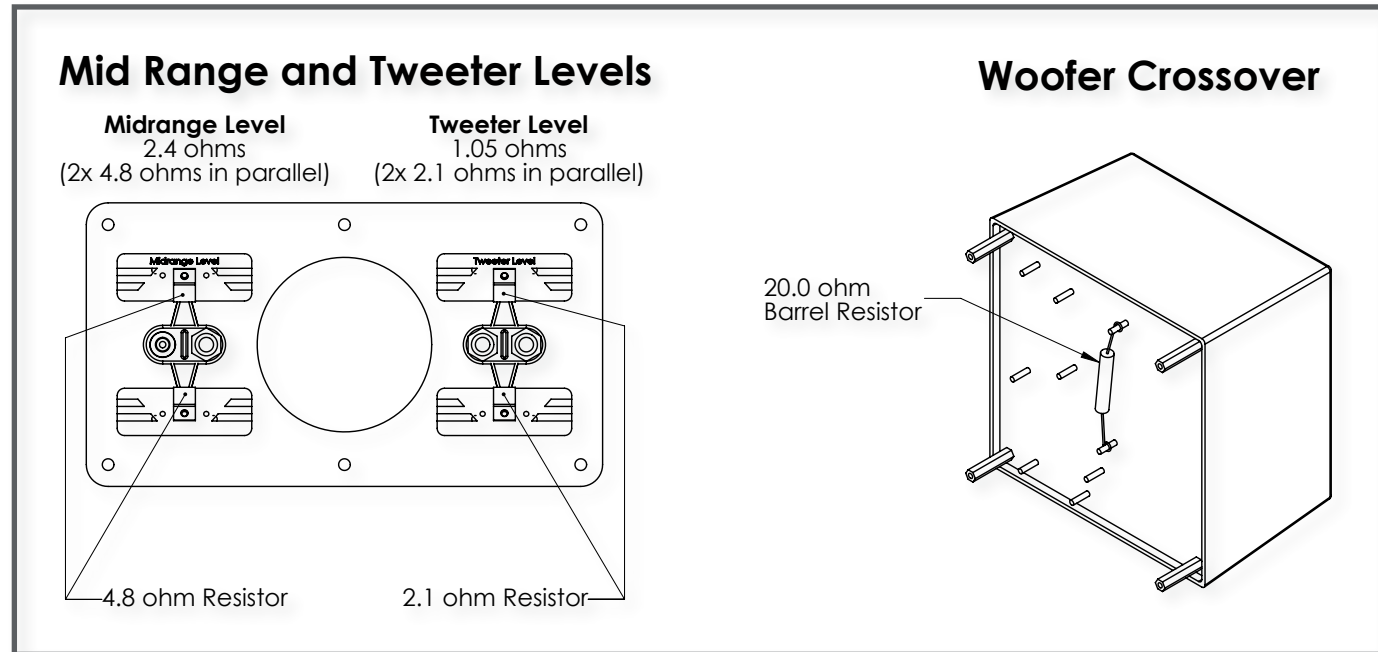
Woofers Damping Resistor

There is a single 20.0 ohms barrel resistor for the woofer level. This resistor is preinstalled in the base of the Puppy enclosure and should not be changed by the end user.

Resistor Fine Tuning

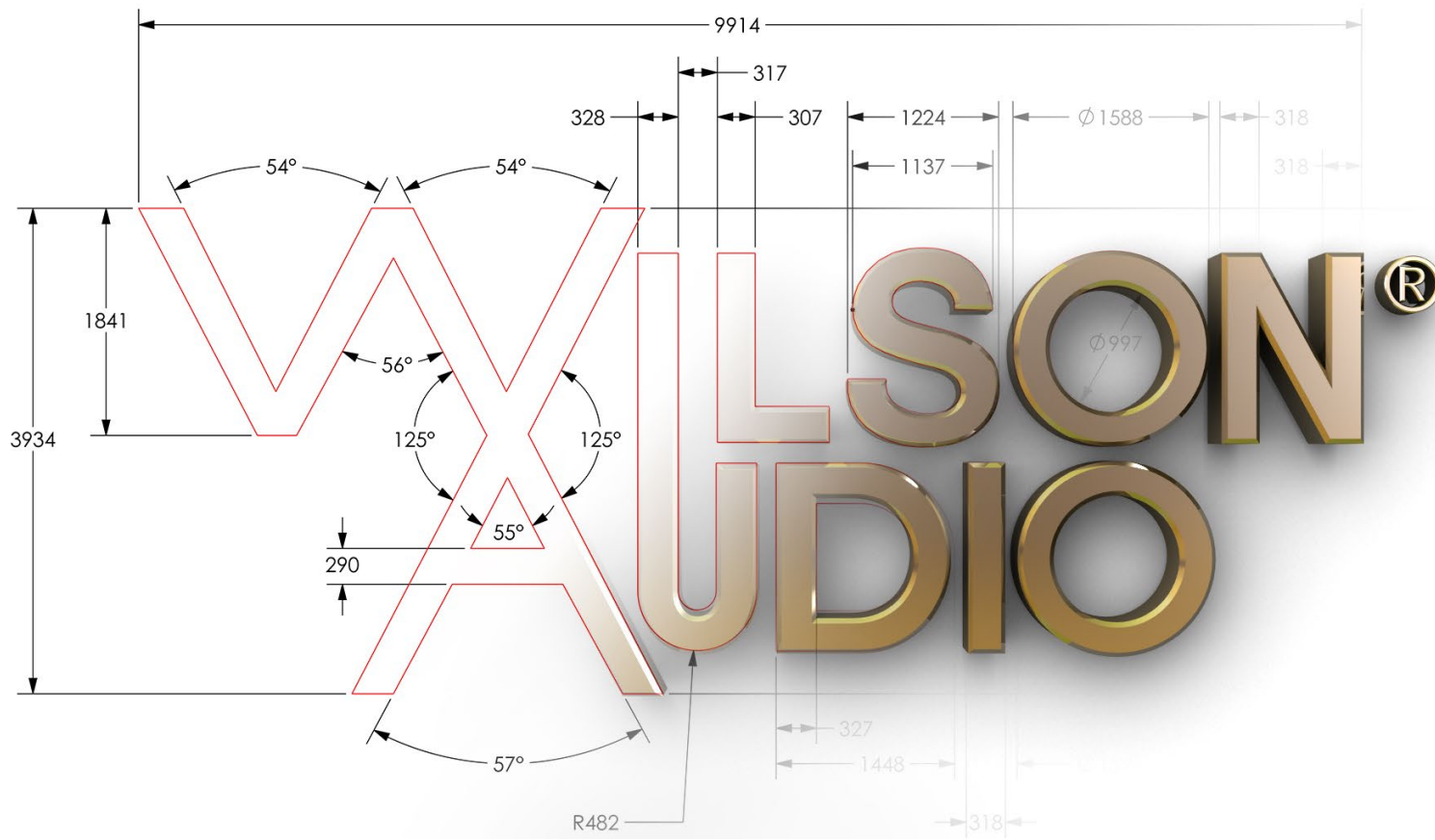
In rare instances, it may be desirable to alter the levels of the tweeter or midrange to overcome some room related tonal balance issues. Please contact your Authorized Wilson Audio Dealer for help and more information on how to proceed.





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

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 5—SPECIFICATIONS

SECTION 5.1—SPECIFICATIONS

Enclosure Type Woofer: Rear Ported

Enclosure Type Midrange: Rear Vented

Enclosure Type Tweeter: Sealed

Woofers: Two—8 inches (20.32 cm) *Paper Pulp*

Midrange: One—7 inches (17.78 cm) *Paper Pulp Composite*

Tweeter: One—1 inch (2.54 cm) *Doped Silk Fabric*

Sensitivity: 89 dB @ 1 Watt @ 1 meter @ 1 kHz

Nominal Impedance: 4 ohms / minimum 2.87 ohms @ 86 Hz

Minimum Amplifier Power: 25 Watts per channel

Frequency Response: 26 Hz – 30 kHz +/- 3 dB *Room Average Response [RAR]*

Overall Dimensions: Height—43 $\frac{1}{32}$ inches (105 cm) *w/o spikes*

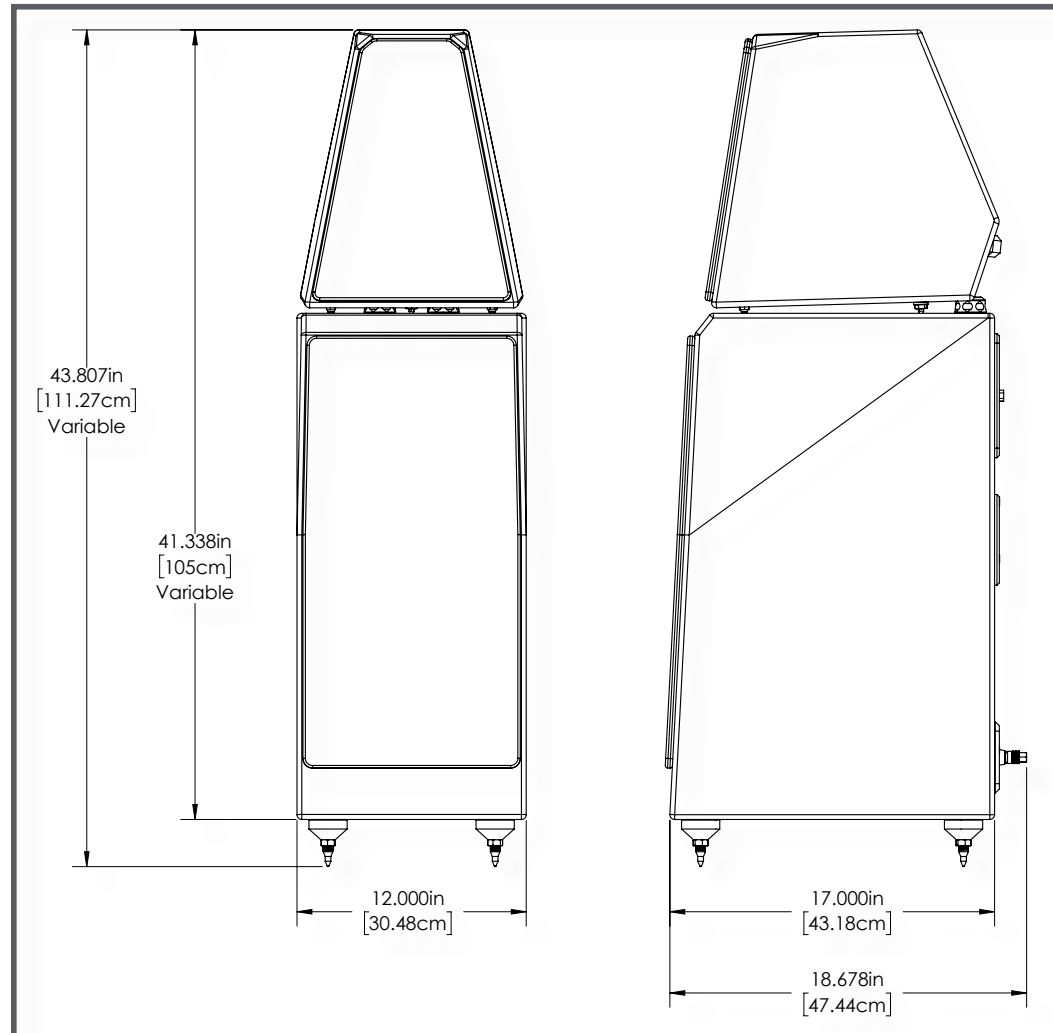
Width—12 inches (30.48 cm)

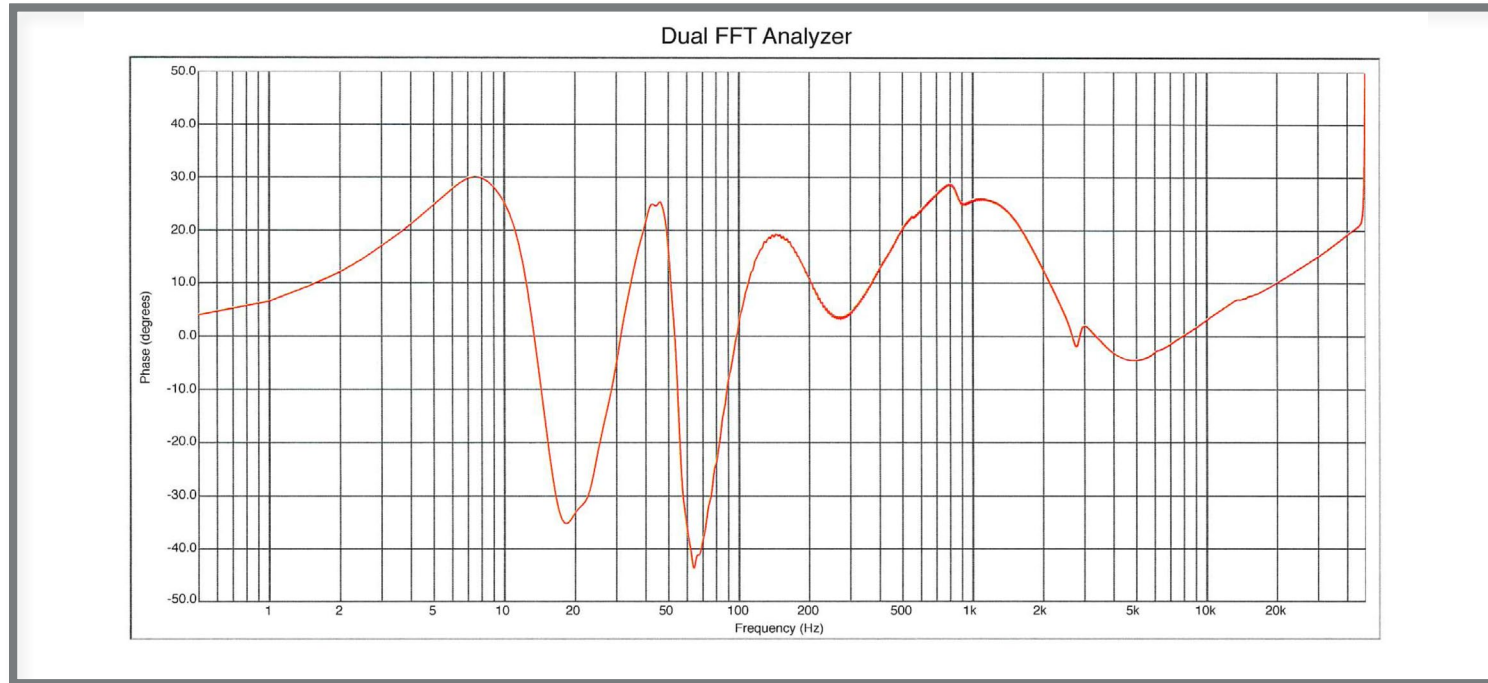
Depth—18 $\frac{1}{16}$ inches (47.44 cm)

System Weight Per Channel: 160 lb (72.57 kg)

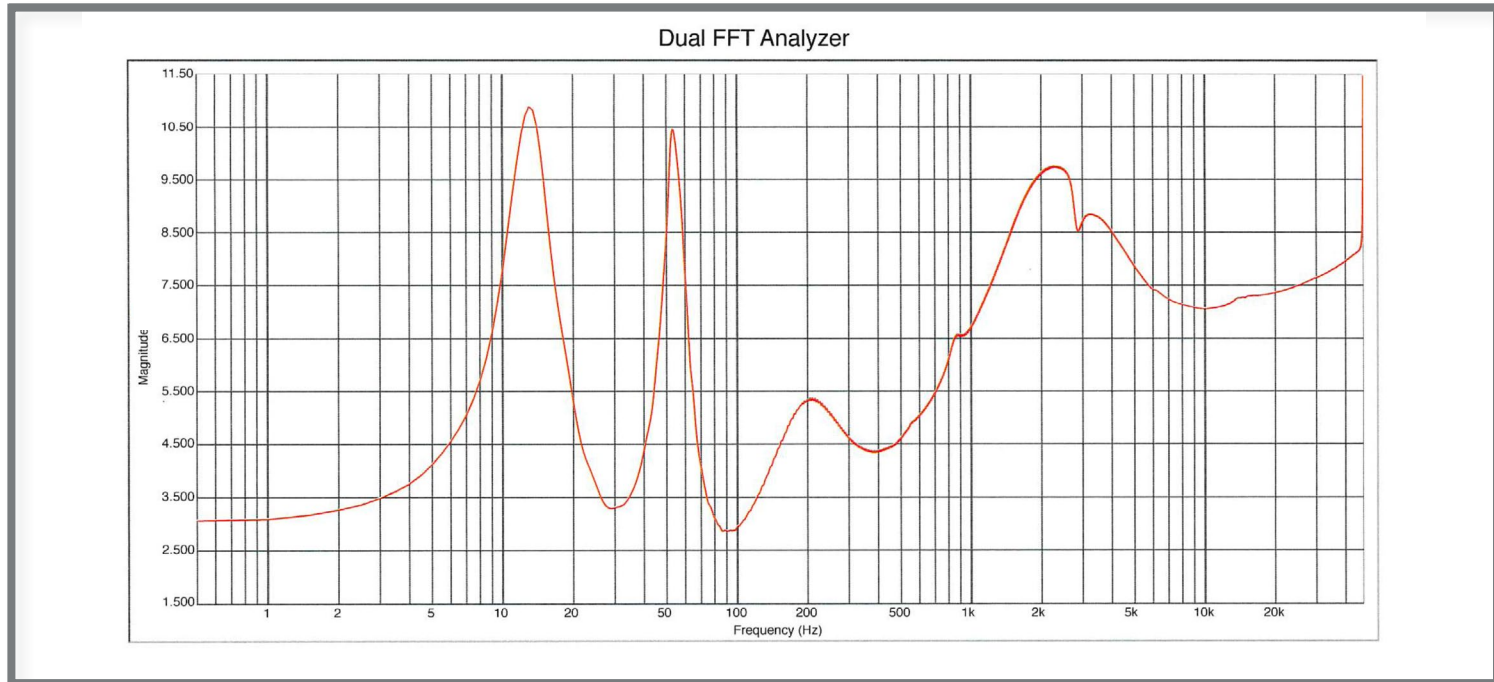
Approximate Shipping Weight: 520 lb (235.87 kg)

SECTION 5.2—GRAPHICAL DIMENSIONS

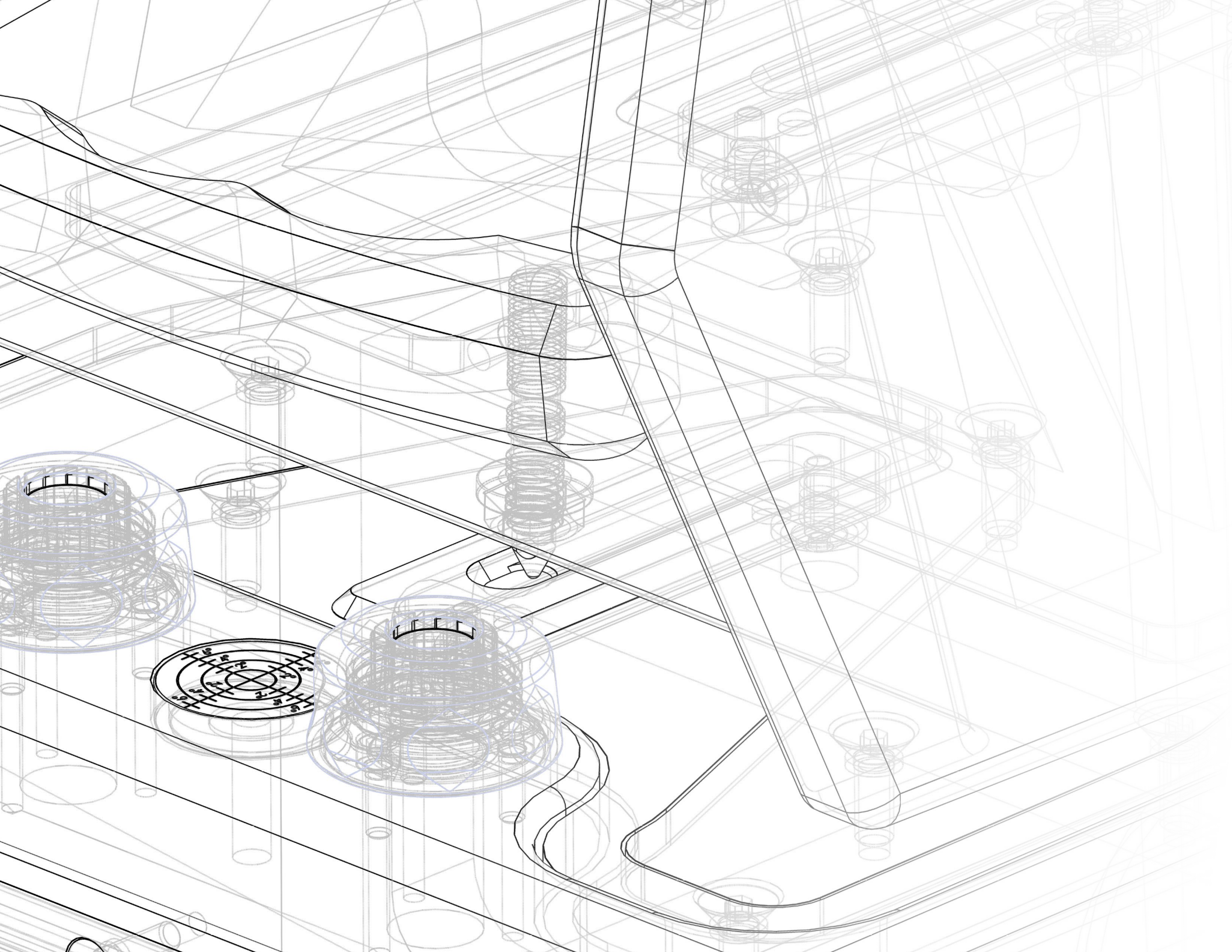




SECTION 5.3—THE WATT/PUPPY PHASE CURVE



SECTION 5.4—THE WATT/PUPPY IMPEDANCE CURVE



SECTION 6—TIME ALIGNMENT CHART

SECTION 6—TIME ALIGNMENT CHART

Listening Distance

| Ear Height | | 8 ft | 8.5 ft | 9 ft | 9.5 ft | 10 ft | 10.5 ft | 11 ft | 11.5 ft | 12 ft | 13 ft | 14 ft | 16 ft | 18 ft | 20 ft |
|------------|----------|--------|--------|--------|--------|--------|---------|--------|---------|--------|--------|--------|--------|--------|-------|
| | | 2.44 m | 2.59 m | 2.74 m | 2.9 m | 3.05 m | 3.2 m | 3.35 m | 3.51 m | 3.66 m | 3.96 m | 4.27 m | 4.88 m | 5.49 m | 6.1 m |
| 48 in | 121.9 cm | ▼1 | ▼1 | ▼1 | ▼1 | ▼1 | ▼1 | ▼1 | ▼1 | ▼1 | ▼1 | ▼1 | ▼1 | ▲1 | ▲1 |
| 46 in | 116.8 cm | ▼1 | ▼1 | ▼1 | ▼1 | ▼1 | ▼1 | ▼1 | ▼1 | ▼1 | ▼1 | ▲1 | ▲1 | ▲1 | ▲1 |
| 44 in | 111.8 cm | ▼1 | ▼1 | ▼1 | ▲1 | ▲1 | ▲1 | ▲1 | ▲1 | ▲1 | ▲1 | ▲1 | ▲1 | ▲1 | ▼2 |
| 42 in | 106.7 cm | ▲1 | ▲1 | ▲1 | ▲1 | ▼2 | ▼2 | ▼2 | ▼2 | ▼2 | ▼2 | ▼2 | ▼2 | ▼2 | ▼2 |
| 40 in | 101.6 cm | ▼2 | ▼2 | ▼2 | ▲2 | ▲2 | ▲2 | ▲2 | ▲2 | ▲2 | ▲2 | ▲2 | ▲2 | ▲2 | ▲2 |
| 38 in | 96.5 cm | ▼3 | ▼3 | ▼3 | ▼3 | ▲2 | ▲2 | ▲2 | ▲2 | ▲2 | ▲2 | ▲2 | ▲2 | ▲2 | ▲2 |
| 36 in | 91.4 cm | ▲3 | ▲3 | ▲3 | ▲3 | ▼3 | ▼3 | ▼3 | ▼3 | ▼3 | ▼3 | ▼3 | ▼3 | ▼3 | ▼3 |

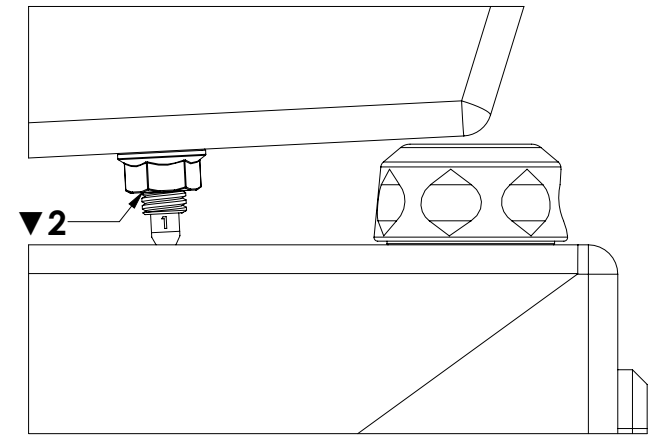
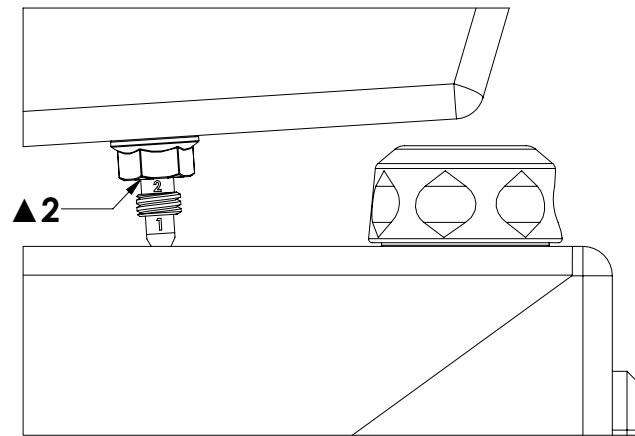
WATT REAR SPIKE LENGTH

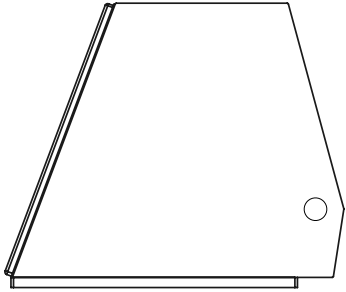
▼ = Indicates that the bottom of the alignment nut should align with the bottom of the appropriate numbered section of the adjustable spike.

▲ = Indicates that the bottom of the alignment nut should align with the top of the appropriate numbered section of the adjustable spike.

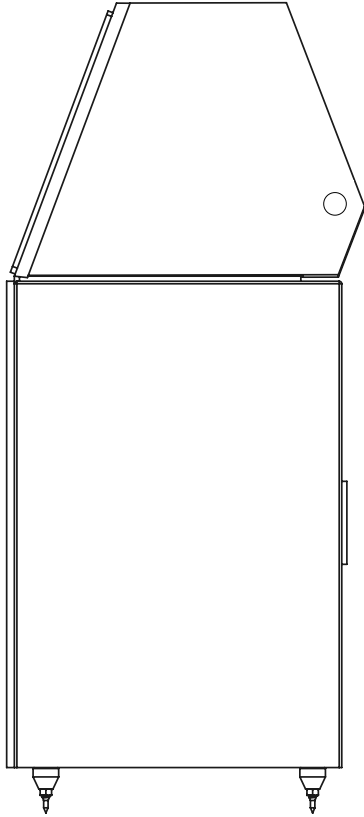
Reading the Time Alignment Chart Symbols

Numbers can be found in the spaces between the threads on the WATT adjustable spike. Visual examples of how to read the symbols found on the Time Alignment Chart can be found in the drawings below. Make sure both WATTs are angled and lifted by their adjustable spike exactly the same for best results.

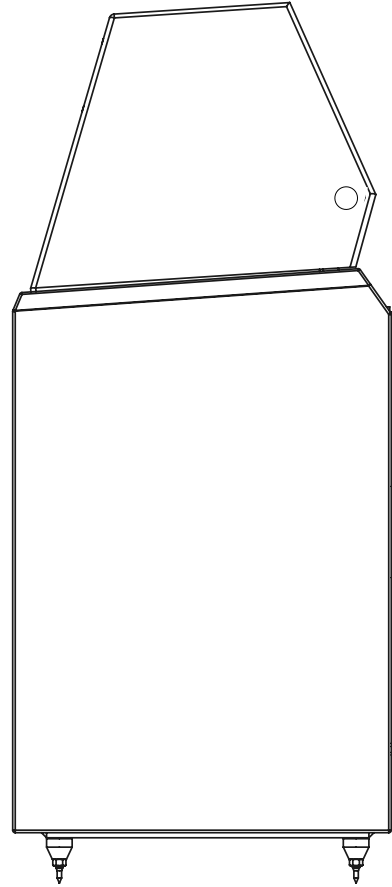




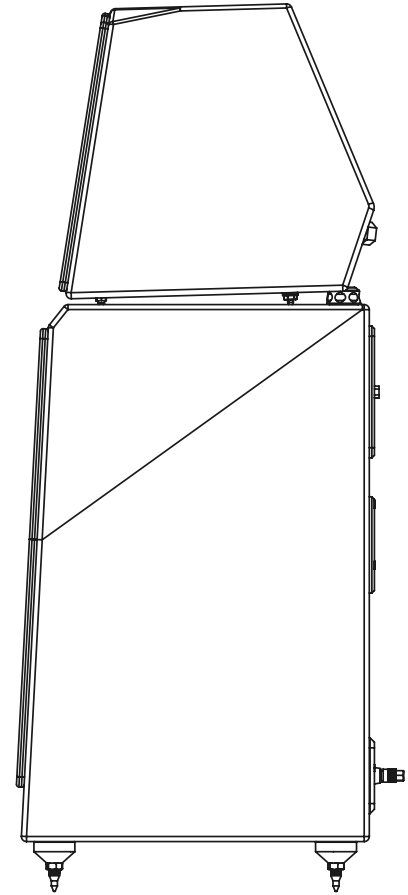
WATT Series 1



WATT/Puppy Series 5.1



WATT/Puppy Series 8



The WATT/Puppy

SECTION 7—WARRANTY

SECTION 7—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 Wilson Audio's website.

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 1(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.



- Replacement Resistors
- Books and Literature
- Custom Loudspeaker Covers
- Installation Tools and Accessories
- New Grilles and Diffraction Blankets
- WilsonGloss Care Products and Kits
- Wilson Audio Signature Apparel
- Upgrade Spikes and Binding Posts
- . . . And More

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PARTS STORE



SERVICE CHANNEL



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