

SONANCE

BEYOND SOUND

INVISIBLE SERIES IS10-2W SUBWOOFER
INSTALLATION MANUAL

INVISIBLE SERIES SUBWOOFER

IS10-2W



FRONT VIEW



BACK VIEW

TABLE OF CONTENTS

- 2 Important Safety Instructions & Box Contents
- 3 Product Description & Features
- 4 Product Preparation & Planning
- 5 Project Management
- 6 Example Checklist
- 7 Installation - Framing Detail
- 8 Installation - Drywall Detail
- 9 Finish Guidelines
- 10 Finishing Instructions
- 13 Technical Specifications
- 14 FAQ
- 15 Technical Assistance & Service
- 16 Warranty

IMPORTANT SAFETY INSTRUCTIONS

This product is intended to be installed by professional AV integrators and installers only. This product manual is intended to serve as a general guideline for most applications. It is the installer's responsibility to ensure this product is installed in accordance with local building codes and regulations. Consult a local authority for specific requirements, regulations, and building codes of the jurisdiction in which this product is to be installed.

READ THIS DOCUMENT IN ITS ENTIRETY BEFORE ATTEMPTING USE

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Clean only with a dry cloth.
6. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
7. Do not install near a heat source such as radiators, heat registers, stoves, fireplaces, or other apparatus (including amplifiers) that produce heat.
8. Only use attachments/accessories specified by Sonance.
9. Refer all servicing to qualified service personnel.



Scan QR code for installation video.
For technical support call
(949) 492-7777 or visit
www.sonance.com/in-wall-in-ceiling/invisible-series

BOX CONTENTS

- (1) Invisible Series Speaker with Cutout Template
- (2) Wire Nuts
- (28) Stainless Steel Screws
- (4) 1/16" (1.6mm) Shims
- (4) 1/8" (3.18mm) Shims

PRODUCT DESCRIPTION

The Sonance Invisible Series IS10-2W Subwoofer features Motion Flex Technology offering a suite of advancements in speaker engineering that delivers unparalleled acoustic performance and installation enhancements that allow a wider range of applications with more consistent results. Together these performance and installation improvements redefine what is possible from an invisible subwoofer.

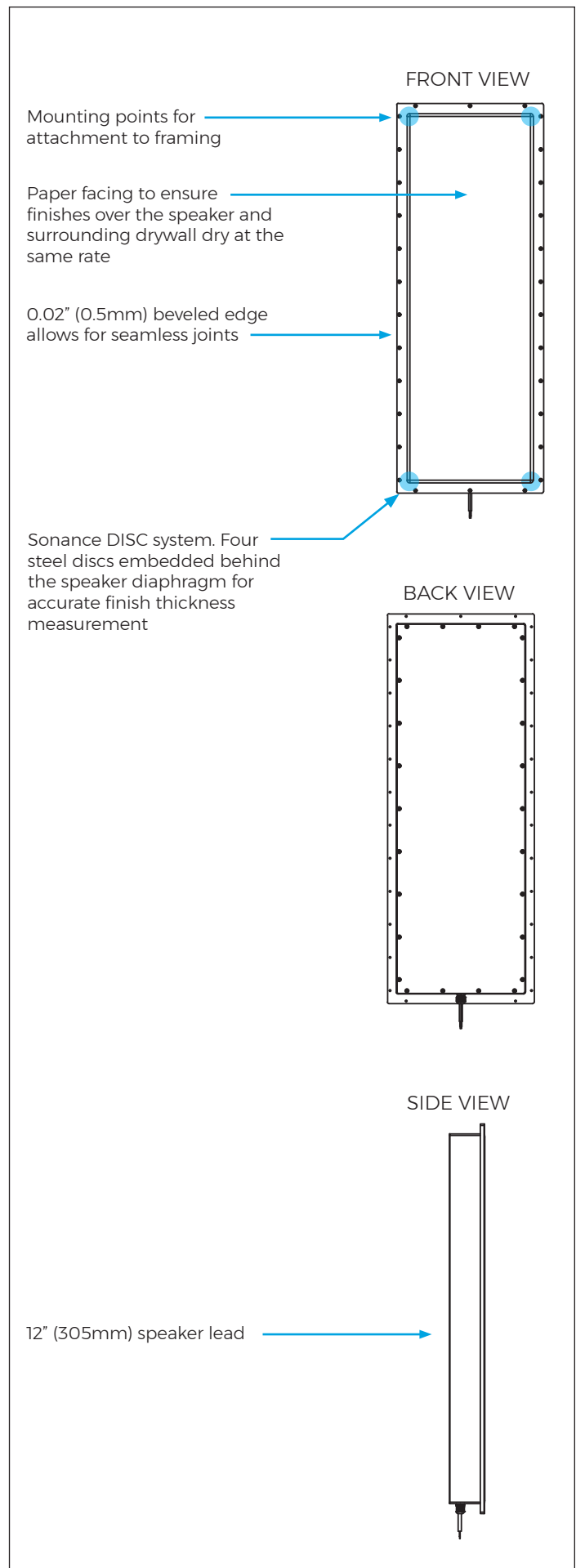
This line of full-range speakers and woofers incorporate Wave Flex drive units, carbon fiber Air Flex woofers, and acoustically-isolated baffles, allowing for up to 180 degrees of smooth off-axis response.

The innovative Sonance DISC System enables non-destructive measurement of the finish thickness for consistent and repeatable installation results.

Sonance DSP amplifier presets should be used to maximize the performance of any Invisible Series system.

FEATURES

- Compatible with 1/2" (12.5mm) and 5/8" (15mm) drywall using included shims. Supply your own shims for thicker substrates
- Finish-up-to or finish-over with up to 1/16" (1.5mm) flexible topping compound or finish material
- 180 degree hemispherical dispersion (IS10-2W)
- Embedded depth discs allow the installer to verify the finish material thickness with the optional DG-1 DISC System Depth Gauge (SKU 93491)
- The IS10-2W sound-isolating enclosure provides up to 20dB reduction of sound transferred to adjacent spaces
- The IS10-2W is protected by integrated poly fuses which protect the transducer from over-current
- 15 year limited warranty



PRODUCT PREPARATION

AMPLIFIER SELECTION

The IS10-2W subwoofer requires a Sonance DSP 2-750 Amplifier in order to ensure high performance, to protect the speaker and installation, and to achieve consistent results. Sonance DSP Amplifiers are rated down to 4 ohms and are stable to 2 ohms. Never run more than two IS10-2W subwoofers in parallel on one amplifier channel.

WIRE GAUGE - 8 OHM SYSTEMS

When using the product in an 8 ohm (low impedance) system, the total wire resistance should be less than 10% of the speaker impedance. The speakers are nominally 6 ohms impedance, so your total wire resistance should be no more than 0.6 ohms. In simple terms, the extra resistance from the wire will have a very negative affect on the sound quality of the speaker. The sound can be less dynamic, definition of bass frequencies can be reduced, and in extreme cases, the high frequencies can be attenuated. Amplifier power is also wasted in the wire, reducing the maximum output level of the system. Please refer to the chart below when deciding on the appropriate wire gauge for your installation.

SPEAKER LOCATIONS

Invisible Series full-range speaker models (IS6, IS8, IS10) have a 170 degree hemispherical dispersion pattern. The IS10-2W subwoofer has a 180 degree hemispherical dispersion pattern. This allows for a wide range of applications and installation locations.

The IS10-2W should only be wall mounted. Ensure that the speaker will not be covered by cabinetry, draperies, art, crown molding or anything that could cover or puncture the speaker. Ensure that the back of the speaker has clearance and will not be adjacent to other building systems such as electrical, HVAC, pipes, fire sprinklers or others that could violate local building codes or adversely effect sound quality.

WIRE RESISTANCE IN OHMS VS. LENGTH OF CABLE RUN						
DISTANCE	50' 15.2m	100' 30.5m	150' 45.7m	200' 61m	250' 76.2m	300' 91.4m
20 GAUGE	0.86	1.73	2.59	3.45	4.32	5.18
18 GAUGE	0.65	1.30	1.94	2.59	3.24	3.89
16 GAUGE	0.43	0.85	1.28	1.71	2.14	2.56
14 GAUGE	0.27	0.54	0.81	1.08	1.35	1.62
12 GAUGE	0.17	0.34	0.51	0.68	0.85	1.02

INSTALLATION ACCESSORIES

The use of space savers and preconstruction zip rings will assist in better coordination of trades and is recommended for the best result. Space savers are a great way to reserve the precise dimensions and location of your Sonance Invisible Series speakers during the construction phase and will protect your speaker wire from getting lost within the wall or ceiling cavities. The space saver allows you to delay the installation of the actual invisible speaker to just prior to the finishing stage. This reduces the risk of damage or theft of speakers on the job site. If your project calls for large quantities of invisible speakers, you may use our preconstruction zip ring brackets as an easy guide for getting the perfect drywall cutout using a drywall zip tool. These can be installed in conjunction with the space savers or on their own and are to be used when drywall will be laid up directly over speaker locations. Zip rings are made-to-order, so please contact your Sonance representative for bulk pricing and availability.

SPACE SAVER PART NUMBERS			
IS-SAVER-S	IS6	93492	4-pack
IS-SAVER-M	IS8/IS8T/IS10W	93493	4-pack
IS-SAVER-L	IS10	93494	4-pack
IS-SAVER-XL	IS15W	93495	Each

NEW CONSTRUCTION

The subwoofer will occupy two stud bays in a standard 16" on center framed wall. The subwoofer should be boxed out much like a window. Structural loads must be transferred from the top plate to the bottom plate, while allowing room for the speaker. See the diagram below as a general recommendation. Note the following best practices:

1. Use the speaker template to create the proper space for the subwoofer.
2. Two scabs are added to the header. The gap in between the two scabs provides space for the speaker wire strain relief. If the speaker wire is coming from below, then the scabs will be added to the sill.
3. Construction adhesive must be used to bond all the double studs together. This helps prevent creaking and buzzing.
4. Screws should be used instead of nails for the subwoofer location as nails can loosen over time.

INSTALLING THE SPEAKER

These are key tips for installing the subwoofer.

- Do not remove the back box of the subwoofer
- Install the speaker with the included stainless-steel screws

- Do not add a screw at the center location above the speaker wire strain relief. Wire damage can occur from the screw.

LISTENING TEST

These are key tips for testing the subwoofer.

- Allow construction adhesive to dry before energizing the subwoofer
- During listening testing prior to mudding, listen for buzzes, squeaks, and chuffing
- Fix noise problems before drywall mud is applied
- Let the subwoofer play at a moderate to high level for 30 minutes to allow possible noises to be discovered

DRYWALL

The stud bays above and below the subwoofer cutout as well as the stud bays on either side of the subwoofer cutout should have construction adhesive added to front and back of studs when attaching drywall. Drywall can loosen over time and create buzzing and slapping noises. In addition to the construction adhesive, screws must be used instead of nails. Screws should be placed every four inches around the subwoofer opening and every six inches for the stud bays on either side of the subwoofer cutout. Do not have a drywall joint at the IS10-2W location. Use studs to support any drywall joint near the IS10-2W. Place construction adhesive on the bottom plate as well to prevent air leaks and chuffing sounds.

FINISH MATERIALS

Prior to speaker installation, verify that the topping compound and final finish are flexible materials (slow-setting drywall mud/topping compound, wallpaper, acrylic-based Venetian plaster, thin wood veneer) and will not exceed 1/16" (1.5mm).

Our recommended target for optimal performance is between 3/64"-1/16" (1.0-1.5mm) of topping compound. Sound quality and installation durability will be adversely effected if too much topping compound is applied. For wood veneer finishes, use only 20mil (0.5mm) veneer with paper backing.

Do not use hard-setting or stiff materials over the surface of invisible speakers, such as fast-setting drywall mud ("hot mud"), genuine Venetian plaster, stucco, metal panels, tile, etc.

PROJECT MANAGEMENT

Follow the installation instructions in this manual precisely to ensure outstanding speaker performance and true invisibility. To accomplish this flawlessly every time requires project management and close coordination with the drywall and finish trades along with the General Contractor and sometimes even the client. Here are some best practices that will prevent unmet expectations and expensive rework:

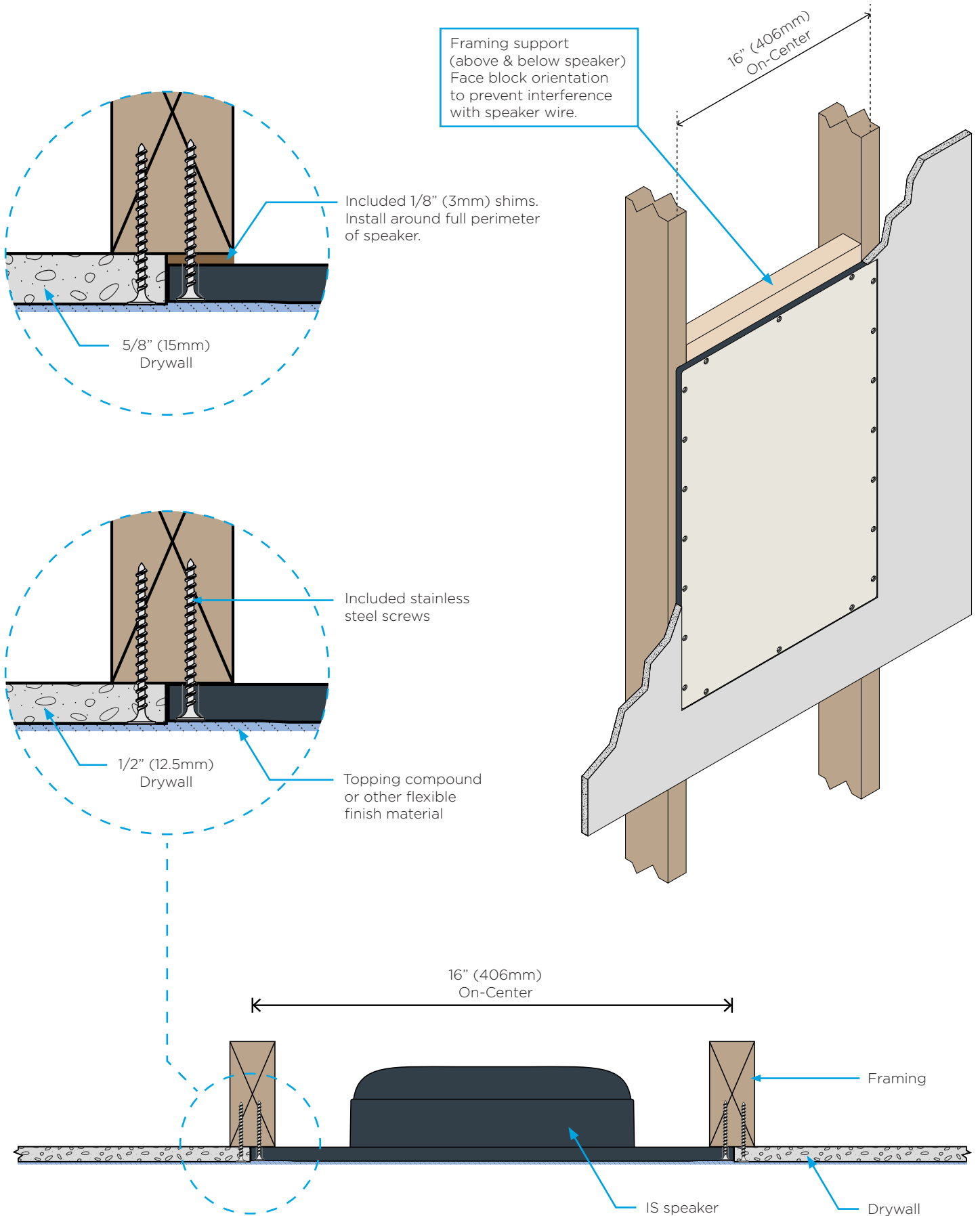
- After IS speakers are connected and screwed in but before any drywall mudding, taping, or finishing has started, schedule a walk-through with the client (or client's representative), the General Contractor, and the finish manager. Listen to every speaker for a couple minutes. This is the best opportunity to discover any anomalies or issues with invisible speaker performance.
- All in attendance should sign off on audio performance, speaker-by-speaker and room-by-room. Prepare a checklist like the example below and ask all parties to sign and date, acknowledging that the Sonance IS speakers perform to everyone's expectations.
- Review all installation steps and processes with the finish manager, emphasizing to cover the speakers with only enough flexible material to make the speakers disappear and no more. This typically ends up being our recommended target of 3/64"-1/16" (1.0-1.5mm). Also emphasize the maximum of 1/6" (1.5mm) finish thickness. Review our guidelines for recommended materials on page 4 and 14 with the finish manager. Construction adhesive must be used between drywall and studs.
- Use the Sonance DISC system and DG-1 depth gauge (SKU 93491) to validate the finish thickness. It is helpful to lend the gauge to the finish manager so that it can be used during the actual process.
- Once the finish material has completely dried, perform another room-by-room listening check of each speaker. If the speakers do not sound similar to the performance you heard prior to finishing, it is likely that the finish thickness exceeds the maximum of 1/16" (1.5mm). Now is the time to correct this by removing material.
- Remember: once the flooring is installed and the furniture is in place, it is too late to remove excess finish material from the Sonance IS speakers without significant cost, cleanup, and/or complexity.

Effective project management, sign-offs, and proactive communication with the trades will prevent unexpected results and provide consistent, beautiful installs that wow the client and end-users.

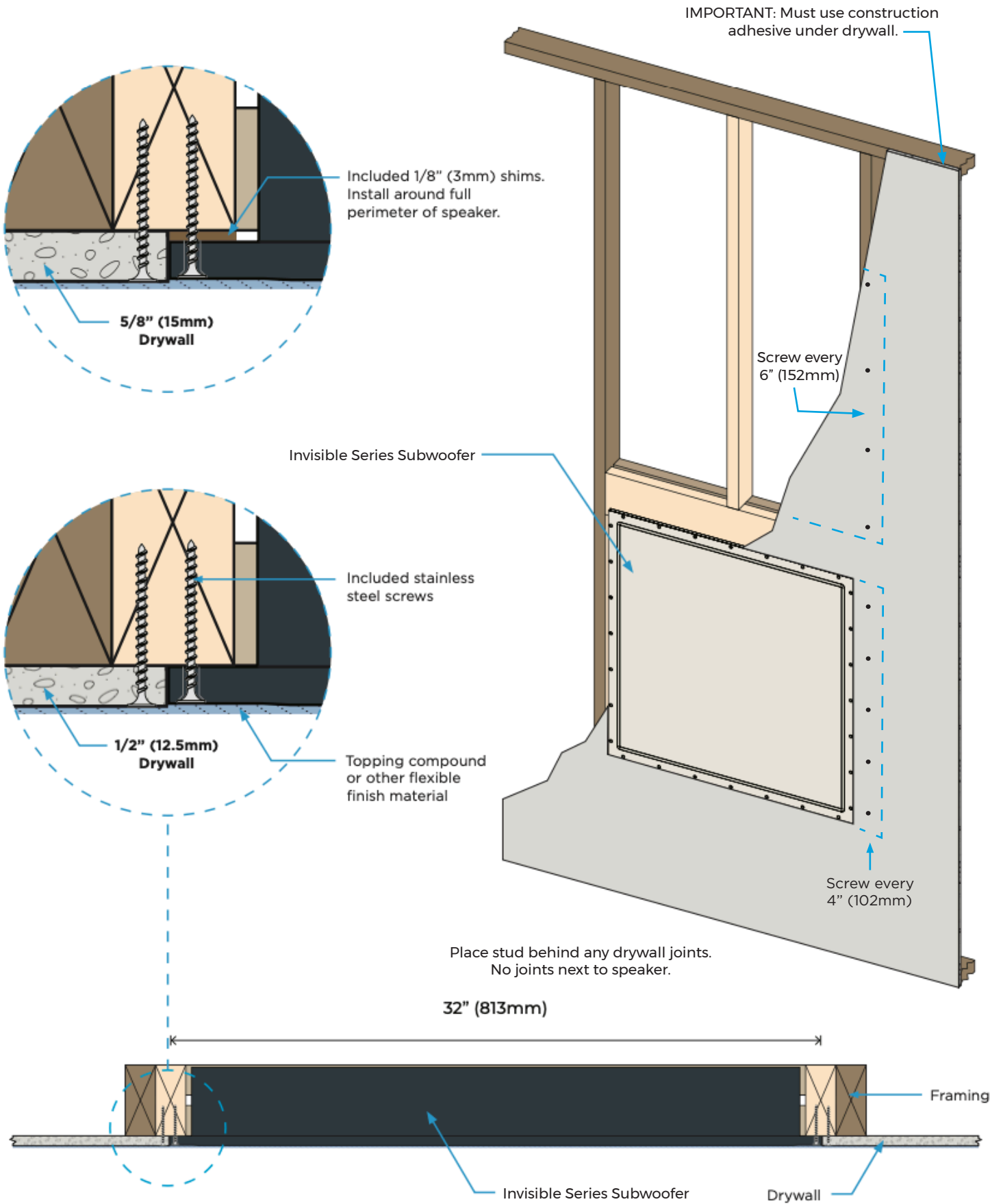
EXAMPLE CHECKLIST

SONANCE INVISIBLE SPEAKERS AUDIO PERFORMANCE SIGN-OFF CHECKLIST					
PROJECT NAME _____		ROOM # _____	ROOM DESCRIPTION _____		
	Model	Serial #	PRE -Finishing Audio Test Approval	Measured Finish Thickness	POST -Finishing Audio Test Approval
Speaker 1			<input type="checkbox"/>	mm	<input type="checkbox"/>
Speaker 2			<input type="checkbox"/>	mm	<input type="checkbox"/>
Speaker 3			<input type="checkbox"/>	mm	<input type="checkbox"/>
Speaker 4			<input type="checkbox"/>	mm	<input type="checkbox"/>
Speaker 5			<input type="checkbox"/>	mm	<input type="checkbox"/>
Speaker 6			<input type="checkbox"/>	mm	<input type="checkbox"/>
Audio Test Approval Signatures:					
Date:					

INSTALLATION DETAIL - 16" (406MM) ON-CENTER



INSTALLATION - DRYWALL DETAIL



PRE-FINISHING TESTING GUIDELINES

Once a finish is applied to an invisible speaker, it will be too late to go back and fix any audio connection or installation problems.

INSTALLATION FIT TEST

Lightly place a straight edge across the face of the speaker to verify that the diaphragm of the speaker is co-planar with the surrounding drywall and has been installed correctly. Adjust shims if necessary. It is normal for the beveled edge of the speaker to be recessed from adjacent drywall.

AUDIO TEST

Connect a high-quality audio source and Sonance DSP-2-750 amplifier (in 8 ohm mode) to the installed IS10-2W subwoofer. Ensure the correct EQ preset is applied using SonArc software. Adjust the output for a moderate volume level consistent with how the speakers will be used in the space. Play music to check for overall fidelity and listen for any buzzes or rattles. We also recommend a slow tone sweep from 20Hz to 500Hz for subwoofers and 20Hz to 5kHz for full-range speakers to help pinpoint any buzzing that could be caused from loose studs/screws/drywall, cable vibration, or rattling of outlets, lighting components, construction fixtures, etc.

Fix any installation or audio issues before moving on to the next steps.

We highly recommend active project management practices as described on page 5-6. Only after passing these testing guidelines should you proceed to the finishing stage.

IS10-2W FINISH THICKNESS GUIDELINES

Sound quality and installation durability will be adversely effected if finish materials are applied too thick.

TOTAL FINISH THICKNESS FOR OPTIMAL PERFORMANCE OF IS10-2W SUBWOOFER:

Apply the absolute minimum finish necessary to make the speaker totally invisible. Typically 3/64" (1mm) or less.

MAXIMUM TOTAL FINISH THICKNESS FOR IS10-2W SUBWOOFER:

1/16" (1.5mm)

Validate finish thickness using the Sonance DG-1 depth gauge (SKU 93491).

Do not use hard-setting or stiff materials over the surface of invisible speakers, such as fast-setting drywall mud ("hot mud"), genuine Venetian plaster, stucco, metal panels, tile, etc. Use only flexible materials to finish invisible speakers such as lightweight drywall topping compound.

When using flexible sheet materials such as wallpaper or veneer, ensure that the total thickness of any drywall compound, adhesives, and the finishing substrate itself does not exceed 1/16" (1.5mm). For wood veneer finishes, use only 20mil (0.5mm) veneer with paper backing.

FINISHING INSTRUCTIONS

NOTE: Drywall finishes can range in various levels of smoothness. For invisible speaker installations, we recommend at least a level four finish where drywall seams are all feathered out and sanded. For best results, we recommend a level five finish where the entire wall plane is skim-coated and sanded for smooth consistency.

1. Fill the gap between speaker and drywall with 20 minute fast-setting joint compound ("hot mud").



2. Feather all edges.



3. Allow hot mud to set slightly before applying mesh tape.



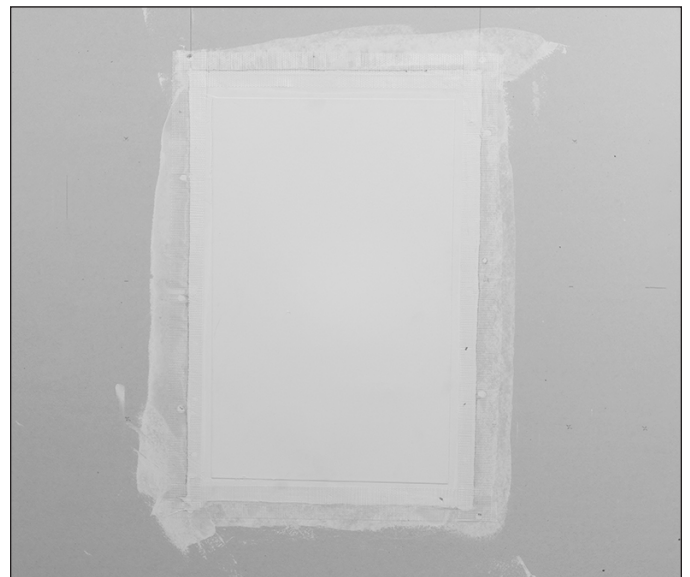
4. Place mesh tape over the drywall seams. Overlap tape slightly.



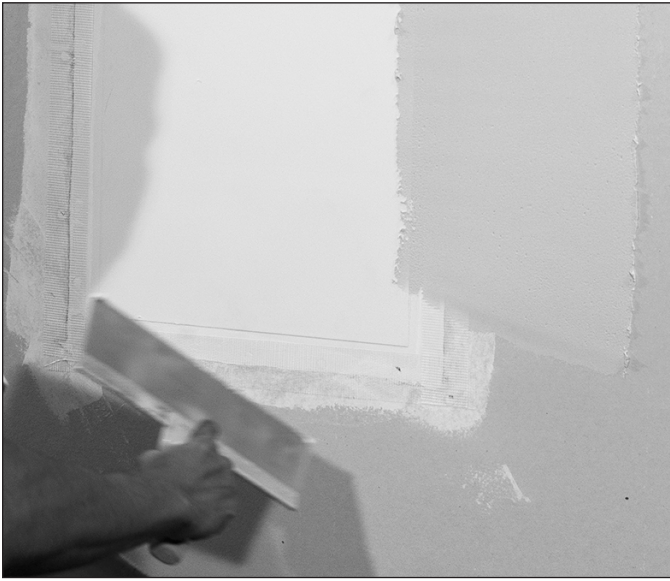
5. Do not tape over the raised portion of the speaker.



6. Allow hot mud to fully cure and harden.



7. Once hot mud has fully cured, cover joints with slow-setting compound.



NOTE: DO NOT use fast-setting drywall compound (“hot mud”) to cover the speaker; it is not flexible enough to provide a durable finish for invisible speakers. Instead we recommend a lightweight all-purpose joint compound to cover joints and feather up to the surface of the speaker. Lightweight, easy-sand topping compound should be used for covering the speaker.

RECOMMENDED DRYWALL COMPOUNDS	
STEP 1 Filling gaps	20-minute All-Purpose Joint Compound (“Hot Mud”)
STEP 7 Covering joints	Slow-setting Lightweight All-Purpose Joint Compound
STEP 10, 14 Covering the speaker	Slow-setting Lightweight Easy-Sand Topping Compound

8. Feather all surfaces around the joints and up to the raised portion of the speaker diaphragm.



9. Allow first coat to fully cure. This can take 12-24 hours.



IMPORTANT: If a perfectly flat finish is achieved at this point, you may opt to proceed to the priming and painting phase. This is what we refer to as a “Finish Up To” installation. In this case, we recommend multiple layers of paint to achieve a shadow-less, even blending of color.

We highly recommend a “Finish Over” process where an additional skim coat is applied over the entire speaker and blended into the surrounding wall plane. A Finish Over process typically takes less time to complete versus Finish Up To because fewer layers of paint are needed. And with the skim coat over the entire surface of the speaker and wall, it’s much easier to achieve perfect invisibility.

10. Apply a second coat of topping compound covering the entire surface of the speaker and all adjoining surfaces.



11. Compound buildup on the active surface of the speaker should not exceed 1/16" (1.5mm).



12. Detail the compound to minimize tool marks.



13. Allow each layer to fully cure. This can take 12-24 hours.
14. Build more coats as necessary to achieve desired finish. Each successive coat should be thinner than the last. The final coat should be a very light skim coat application.



15. After final coat is applied and has dried, use a manual pole sander or block sander on entire wall (do not use a power sander as this could damage the surface of the speaker). Be careful not to sand down into the surface of the speaker. This could damage the paper which makes perfect blending very difficult to achieve. Wall surface should show no signs of a speaker.



16. Validate the finish thickness using the Sonance DISC system and DG-1 depth gauge (SKU 93491).



17. The final step is to once again perform an audio test. Listen to each speaker and verify that audio quality and performance have not significantly changed since your initial listening test just prior to the finishing stage. Now is the best time to fix any audible anomalies or surface imperfections.

After listening validation, your Sonance Invisible speaker installation is now complete. From this point, follow your normal method for final finishing with flexible materials such as paint, wallpaper, veneer, and so on.

IS10-2W SPECIFICATIONS

SKU	93482
Air Flex Woofer	592in ² (3819cm ²) air pulse diaphragm 15" (381mm) carbon fiber woofer
Frequency Response (±3dB)	30Hz-250Hz
Nominal Impedance (ohms)	6
Power Handling (RMS)	250W
Sensitivity (2.83V/1m)	93dB
Dispersion	180° hemispherical
Overload Protection	One self-resetting poly switch
Dimensions (WxHxD)	32.2" x 32.2" x 3.86" (818mm x 818mm x 98mm)
Mounting Depth	3.39" (86mm)
Shipping Weight	72.3lbs (32.8kg) / Each

FREQUENTLY ASKED QUESTIONS

The IS10-2W should not be mounted in T-Bar ceilings. Ceiling placement could lead to long term sagging of the diaphragm.

CAN THESE BE USED OUTSIDE?

Sonance invisible speakers are not outdoor rated and should not be used outside.

CAN THESE BE USED IN HIGH HEAT OR HIGH HUMIDITY APPLICATIONS?

Invisible speakers should not be directly exposed to high heat or humidity. However you may use finishing materials that are rated for high heat and humidity exposure, provided that they form a barrier that prevents exposure to the speakers. We highly recommend you perform a mock-up trial of the finish materials, speaker, and environment to validate the performance long-term.

WHAT FINISH MATERIALS CAN I USE WITH INVISIBLE SPEAKERS? CAN THESE BE COVERED WITH WALLPAPER OR WOOD VENEER?

Use flexible materials such as: slow-setting, lightweight drywall compounds, wallpaper, wood veneer, vinyl veneer, acrylic-based venetian plaster.

ARE THERE MATERIALS THAT SHOULD NOT BE USED TO COVER THE SPEAKERS?

Any material that is stiff, inflexible, or exceeds 1/16" (1.5mm) in total thickness over the speaker diaphragm such as tile, metal sheet, stone veneer, true Venetian plaster, stucco, etc. These are not compatible with invisible speakers. The stiffness of materials like these restrict movement and result in lack of bass and muffled sound.

HOW MUCH FINISH MATERIAL CAN GO OVER THE SPEAKER?

We recommend 1.0mm to 1.5mm for optimal performance. The maximum limit is 1/16" (1.5mm).

HOW CAN I TELL HOW MUCH FINISH MATERIAL IS COVERING THE SPEAKER?

Use the Sonance DG-1 depth gauge (SKU 93491) to measure actual finish thickness covering Sonance invisible speakers.

WHAT IS THE DISC SYSTEM?

The Sonance DISC System provides a highly accurate method for non-destructively quantifying the thickness of a finish applied on top of a Sonance invisible speaker diaphragm. The Sonance DG-1 handheld depth gauge uses a magnetic sensor to measure the distance between the top of the finished speaker and steel discs embedded in all four corners behind the speaker diaphragm of Sonance Motion Flex Invisible Speakers.

WHAT IF I ADD TOO MUCH FINISH MATERIAL?

Prior to the final finishing stage (such as painting), sand down the wall or ceiling surface and measure the finish thickness using the DG-1 depth gauge. Repeat as necessary until you measure 1.5mm or less. We

recommend 1.0mm and 1.5mm for optimal performance.

IS THERE A BENEFIT TO "FINISH UP TO" RATHER THAN "FINISH OVER"?

There is no practical benefit to a Finish Up To style finish. In fact, we recommend Finish Over because it typically takes less installation time and results in a more seamless, shadowless final finish. Furthermore, the IS10-2W is optimized for about 1.0mm to 1.5mm of finish material for best performance.

WHAT HAPPENS IF THE MUD OR FINISH CRACKS?

Mud/finish cracks are indicative of either an improperly applied finish or invisible speakers that have been regularly overdriven. Though the integrated poly fuses mitigate against damage, they cannot protect against every type of abuse. Remember, just like traditional speakers, invisible speakers have their limit. However, the difference is when a traditional speaker fails due to over-exertion, only the speaker is damaged; whereas with invisibles, the finish can sometimes be damaged as well.

Though it is rare, if a crack occurs, Sonance will help troubleshoot the issue on a case-by-case basis. We typically start by inspecting the finish process. In most cases, the finish was applied too thick (outside of our specifications). With our new DISC system, we have the ability to prevent these types of failures before they even happen by identifying and correcting at the installation phase. This is why we highly recommend taking advantage of the DISC system during installation to prevent problems down the road.

CAN I USE OTHER THAN SONANCE DSP AMPLIFIERS?

To achieve the specified performance from the IS10-2W it must be used with the DSP2-750 amplifier and the correct EQ preset. If the IS10-2W is used with any other amplifier, the performance and long term reliability could be compromised.

ARE THESE SUITABLE FOR SURROUND SOUND?

The IS10-2W has been designed specifically for use in surround sound and large space distributed audio systems.

WHAT'S THE BENEFIT OF SOUND-ISOLATING ENCLOSURES?

The integral IS10-2W sound-isolating enclosure provides an impressive broadband noise reduction of about 20dB which greatly reduces sound transference into adjacent spaces.

IS THE IS10-2W SOUND-ISOLATING ENCLOSURE UL RATED?

No.

I LOST THE SCREWS. WHAT IS THE SPEC OR DO I HAVE TO BUY THEM FROM SONANCE?

Use stainless steel #6 drywall screws in the appropriate length depending upon drywall/installation substrate panel thickness and local codes.

I LOST THE SHIMS. HOW CAN I GET MORE? DO I HAVE TO BUY THEM FROM SONANCE?

Use standard drywall shims available from your local hardware store.

IS THERE A PROTECTION CIRCUIT BUILT INTO THE SPEAKER OR DO THEY NEED TO BE ADDED?

The IS10-2W subwoofer has a single poly fuse. If a speaker is overdriven, one or both of the poly fuses will trip, and the transducers will cease to make sound which protects both the driver and the installation surface from damage in overdrive conditions. After a few minutes, the fuses will reset, and the speakers will perform as normal. If the poly fuses are tripping, that's a sign that the speakers are being overdriven, and you should decrease the volume. If you want more volume, add additional invisible speakers to your space.

WHAT IS THE WARRANTY ON IS INVISIBLE SPEAKERS, AND WHAT DOES THE WARRANTY COVER?

The 15 Year limited warranty covers the cost to replace the speaker(s) and refinishing up to level 5 drywall finish.

TECHNICAL ASSISTANCE AND SERVICE

The Technical Assistance Department at Sonance is available at (949) 492-7777 to answer any questions concerning the operation and installation of your speakers between the hours of 7:00 AM and 5:00 PM Pacific time, Monday through Friday, except holidays.

In the event your unit should need repair or service, you may return the unit to your authorized dealer or use the following guidelines:

PLEASE KEEP ORIGINAL PACKAGING WHEN POSSIBLE.

1. Be prepared to state the model number and / or serial number, date of purchase, and dealer's name and address when calling.
2. Contact Sonance directly at (949) 492-7777 or at www.sonance.com. **YOU MUST HAVE PRIOR AUTHORIZATION TO RETURN YOUR UNIT.**
3. If you are returning the product directly to Sonance, call us to obtain a return authorization number (RMA) before shipping.
4. Ship the product via United Parcel Service, Federal Express, or other package delivery service. Please do not use the U.S. Postal Service.
5. Include the return authorization number on the shipping label. Please do not write the RMA number directly on the carton.
6. Ship to:
Attn: Quality Assurance Department
RMA# (include RMA number here)
Sonance
11016 Mulberry Ave. Suite B
Fontana, CA 92337

LIMITED FIFTEEN (15) YEAR WARRANTY

Sonance warrants to the first end-user purchaser that this Sonance-brand product ("Product"), when purchased from an authorized Sonance Dealer/Distributor, will be free from defective workmanship and materials for the period stated below. Sonance will at its option and expense during the warranty period, either repair the defect or replace the Product with a new or re-manufactured Product or a reasonable equivalent.

EXCLUSIONS

TO THE EXTENT PERMITTED BY LAW, THE WARRANTY SET FORTH ABOVE IS IN LIEU OF, AND EXCLUSIVE OF, ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IS THE SOLE AND EXCLUSIVE WARRANTY PROVIDED BY SONANCE. ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, IMPLIED WARRANTY OF FITNESS FOR USE, AND IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED.

No one is authorized to make or modify any warranties on behalf of Sonance. The warranty stated above is the sole and exclusive remedy, and Sonance's performance shall constitute full and final satisfaction of all obligations, liabilities, and claims with respect to the Product.

IN ANY EVENT, SONANCE SHALL NOT BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, ECONOMIC, PROPERTY, BODILY INJURY, OR PERSONAL INJURY DAMAGES ARISING FROM THE PRODUCT, ANY BREACH OF THIS WARRANTY, OR OTHERWISE.

This warranty statement gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow the exclusion of implied warranties or limitations of remedies, so the above exclusions and limitations may not apply. If your state does not allow disclaimer of implied warranties, the duration of such implied warranties is limited to period of Sonance's express warranty. Your Product Model and Description: IS6/IS8/IS10/IS10W Invisible Speakers. Warranty Period for this Product: Fifteen (15) years from the date on the original sales receipt or invoice or other satisfactory proof of purchase. Additional Limitations and Exclusions from Warranty Coverage: The warranty described above is nontransferable, applies only to the initial installation of the Product, does not include installation of any repaired or replaced Product, does not include damage to allied or associated equipment which may result for any reason from use with this Product, and does not include labor or parts caused by accident, disaster, negligence, improper installation, misuse (e.g. overdriving the amplifier or speaker, excessive heat, cold or humidity, mishandling, etc.), or from service or repair which has not been authorized by Sonance. Obtaining Authorized Service: To qualify for the warranty, you must contact your authorized Sonance Dealer/ Installer or call Sonance Customer Service at (949) 492-7777 within the warranty period, must obtain a return merchandise number (RMA), and must deliver the Product to Sonance shipping prepaid during the warranty period, together with the original sales receipt, or invoice or other satisfactory proof of purchase.

SONANCE

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