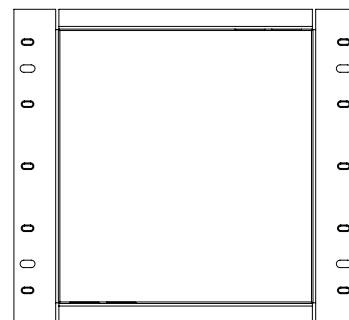
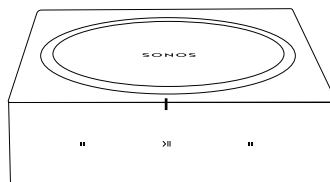
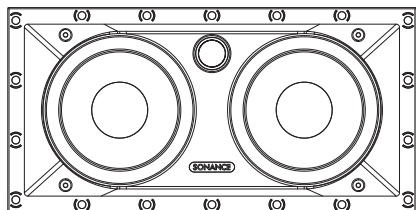


# SONANCE

## MAG CONCEALED TV AUDIO SYSTEM

### INSTRUCTION MANUAL

MAG6 LCR | SONOS AMP | SONANCE TV Box



Scan QR code  
for setup video

# INSTRUCTION MANUAL

## MAG CONCEALED TV

### AUDIO SYSTEM

SONANCE

## IMPORTANT SAFETY INFORMATION

You should always follow these basic safety precautions when using your Sonance MAG Concealed TV Audio System, to reduce the risk of fire, electric shock, and injury to persons:

**1. Read and retain instructions:** Read all the safety and operating instructions before operating the amplifier, and retain them for future reference.

**2. Heed warnings:** Adhere to all warnings and precautions listed on the amplifier and in the operating instructions.

**3. Follow instructions:** Follow all operating instructions.

**4. Water:** Never use the amplifier next to water.

**5. Carts and stands:** The amplifier should be used only with a cart or stand that is recommended by the manufacturer. An amplifier and cart combination should be moved with care.



**6. CAUTION: TO PREVENT ELECTRIC SHOCK, DO NOT USE THE POLARIZED PLUG WITH AN EXTENSION CORD, RECEPTACLE, OR OTHER OUTLETS UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.**

**7. Ventilation:** The Subwoofer should be situated so that its location or position does not interfere with its proper ventilation. For example, the subwoofer should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or be placed in a built-in situation, such as a book case or a cabinet, that may impede the flow of air over the subwoofer.

**8. Heat:** Situate the amplifier away from heat sources such as radiators, stoves, or other appliances (including external amplifiers) that produce heat.

**9. Grounding or polarization:** Grounding or polarization are precautions that should be taken so that these attributes are not defeated.

**10. Power-cord protection:** Route power supply cords so that they will not be walked on or pinched by items placed on or against them.

**11. Cleaning:** To clean the amplifier, use "canned air" or wipe the amplifier with a soft cloth. Do not use solvents, as they may damage the amplifier.

**12. Non-use periods:** Unplug the amplifier's power cord from the outlet when the amplifier will be left unused for a long period of time.

**13. Object entry:** Care should be taken so that objects do not fall through the opening of the enclosure.

**14. Moisture:** Do not expose the amplifier to dripping or splashing. Do not place objects filled with liquids, such as vases, on the amplifier.

**15. Damage requiring service:** Have the amplifier serviced by a qualified service personnel when:

- The power supply cord or the plug has been damaged.

- Objects have fallen, or liquid has been spilled into the amplifier.

- The amplifier has been exposed to rain.

- The amplifier does not appear to operate normally or exhibits a marked change in performance.

- The amplifier has been dropped, or the enclosure damaged.

**16. Servicing:** The user should not attempt to service the amplifier beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

**17. Lifting:** Improper lifting of the 28 lbs. MS10 SUB can cause personal injury.

**18. Power requirement:** Do not connect the Subwoofer to the accessory outlet of any other component. A minimum 15 amp (20 amp preferred) grounded wall outlet is required.

**WARNING: THE POWER (MAINS) PLUG SERVES AS THE AMPLIFIER'S DISCONNECT DEVICE. THE DISCONNECT DEVICE SHALL REMAIN READILY OPERABLE DURING OPERATION. TO ENSURE THAT THE DISCONNECT DEVICE (POWER PLUG) IS EASILY ACCESSIBLE, THE USER SHALL NOT PLACE THE AMPLIFIER IN A CONFINED AREA DURING OPERATION.**

**19. Storms:** To prevent damage to components, unplug all electronic equipment during thunderstorms.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE REFER SERVICING TO AUTHORIZED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING:** TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. THE APPLIANCE SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING. NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPLIANCE.

**NOTE: SONANCE RECOMMENDS USING BEST BUY'S PROFESSIONAL INSTALLATION SERVICE FOR ANYONE NOT FAMILIAR WITH THE PROCESS OF RETROFITTING LOW VOLTAGE WIRING**

## INTRODUCTION

Thank you for purchasing MAG Concealed TV Audio System. When properly installed your new speakers will give you years of entertainment pleasure.

## BOX CONTENTS

**MAG Concealed TV Audio System box contains:**

- (2) MAG6 LCR Speakers
- (1) SONOS AMP
- (1) SONANCE TV Box and Mounting Bracket
- (2) SONANCE TV Box Spacers
- (1) Power Bridge ONE-CK Power Wall Box
- (1) Power Strip with USB
- (1) Mounting Screws and Velcro Kit
- (2) Wire Grommets

### TOOLS NEEDED:

- 1. Electric Screw Driver
- 2. Tape Measure
- 3. Level
- 4. Stud Finder
- 5. Drywall Saw
- 6. Wire Strippers
- 7. Pencil

### TOOLS RECOMMENDED:

- 1. Steel Fish Tape or Fish Rods
- 2. Hole Saw or Spade Bits

### NEEDED ITEMS:

- 1. Speaker Wire

## BEFORE INSTALLATION

Determine the location for the speakers and Wall Box (**see before you begin below**).

Perform an obstruction survey using a stud finder to be certain that there are no studs, conduit, pipes, heating, ducts, pocket doors or air returns in the wall cavity that will interfere with the speaker or SONANCE TV Box.

If you are unsure about obstructions, drill a small hole in the center of the outline and insert a coat hanger wire into the hole to feel around for possible obstructions.

**NOTE: CONSULT LOCAL BUILDING CODES BEFORE RUNNING AC WIRES AND SPEAKER WIRES THROUGH WALLS.**

## BEFORE YOU BEGIN

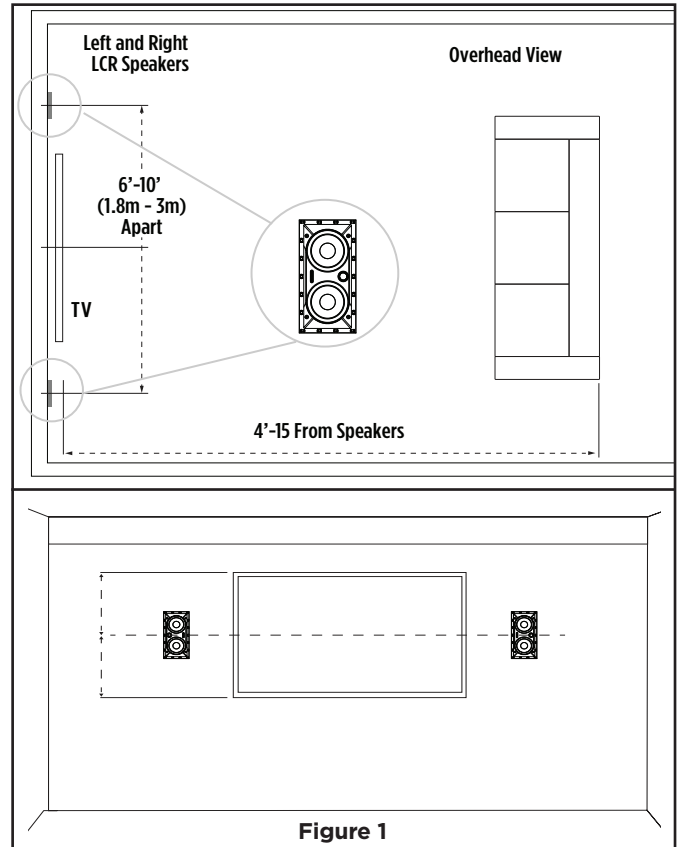
**Plan your layout of your TV, TV bracket, SONANCE TV Box and Speakers before cutting any holes.**

1. **IMPORTANT:** Determine the final location where you want your TV when the install is complete, this will determine where you place the TV bracket, SONANCE TV Box and the Speakers.
2. Once you have determined the final install location of where your TV will be installed measure and mark off with tape the top and the bottom of where the TV will be installed.
3. Measure from the top and bottom of the marked location to determine the center location of the TV when mounted and mark the center location with tape on each side of the TV.
4. Install the TV bracket arms onto the TV, measure and determine where to mount the TV bracket so the TV hangs in the final location you have previously measured in step 2. Mark the location of the TV bracket.
5. Once you have determined where your TV bracket will be installed, determine if the SONANCE TV Box will be installed above or below the TV bracket to best conceal the SONANCE TV Box but still allows access to electronics when the TV is installed.
6. Mark the location of the SONANCE TV Box.
7. For more assistance; watch the setup videos by scanning the QR code on the front cover.

## MAG PREMIUM SPEAKER PLACEMENT

### MAG6 LCR - Left & Right Speakers

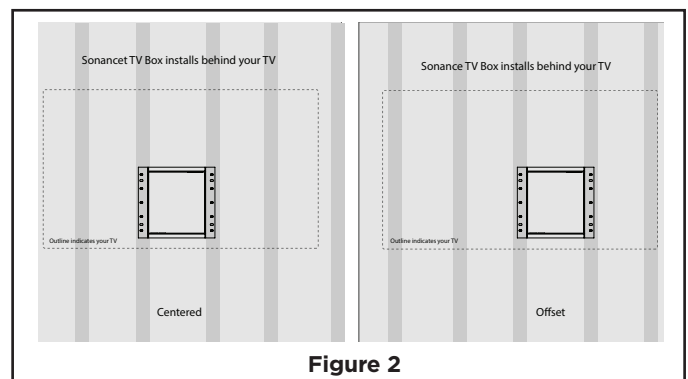
1. Place the left and right speakers 6 – 10 feet (1.8m – 3m) apart from each other. SONANCE recommends installing the center of the speakers as close to the center the TV, ideally at ear level when seated. **See Figure 1**
2. The main listening position should be 4 – 15 feet (1.2m – 4.5m) away from the speakers and TV.
3. Once you have identified the desired mounting location and have checked for obstructions, use the included cutout template and a level to mark the cut lines for the speaker mounting hole. Then, cut the mounting hole using a drywall saw, see the template provided with the speakers for cut out dimensions.



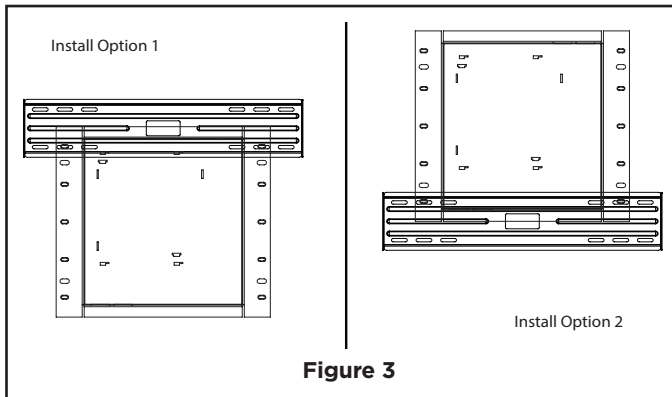
## SONANCE TV BOX PLACEMENT

### SONANCE TV Box (Figure 2)

- Determine The center location of your television first.
- The SONANCE TV Box is designed to be installed between two studs. If the center of your TV Covers a stud, position the SONANCE TV Box to the left or right of the center stud.



- The SONANCE TV Box is designed to be installed “Above or below your TV Bracket easy access to the contents inside the box.
- After you have determined the center location of your television, and have determined where your TV bracket will be installed, you can now move onto determining the location of the Sonance TV Box. **See Figure 3** for positioning ideas for the The SONANCE TV Box.

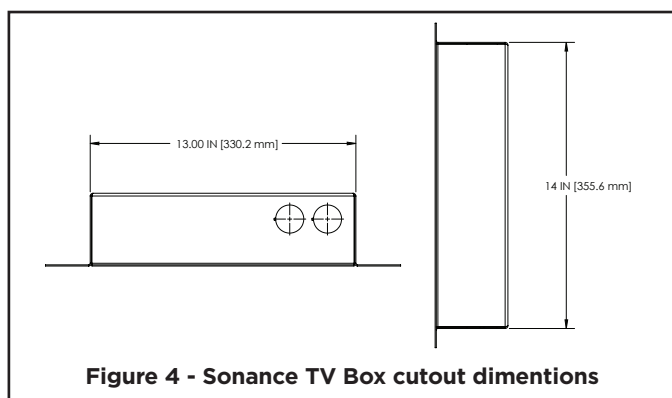


**Figure 3**

## SONANCE TV BOX INSTALLATION

1. Determine the center location of your TV first. Use a stud finder to locate the space in-between two studs that are as close to the center of your TV as possible.
2. Mark the two studs on each side of the location determined to mount the wall box. It is recommended to mound the wall box as close to the center of the TV as possible. Measure between the two marked studs to confirm that the SONANCE TV Box will fit (width  $\geq 13$ ”).
3. Use a drywall saw to cut a hole 13 Inches wide and 14 inches tall to mount the SONANCE TV Box.
4. Test fit the SONANCE TV Box into the opening that was just cut and make any needed modifications to the opening at this time.

**5. DO NOT SECURE THE SONANCE TV BOX WITH SCREWS AT THIS POINT. CONTINUE TO INSTALLATION OF MAG6 LCR BELOW.**



**Figure 4 - Sonance TV Box cutout dimensions**

## INSTALLATION - MAG6 LCR

At this point you should have three holes cut in your wall. Two speaker holes and one TV box hole. Run your speaker wire from each speaker to the SONANCE TV Box location.

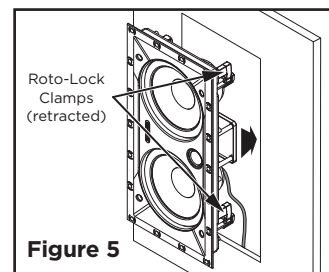
**NOTE: SONANCE RECOMMENDS USING BEST BUY'S PROFESSIONAL INSTALLATION SERVICE FOR ANYONE NOT FAMILIAR WITH THE PROCESS OF RETROFITTING LOW VOLTAGE WIRING**

Sonance speakers feature integral Roto-Lock® mounting system for quick mounting directly into existing walls.

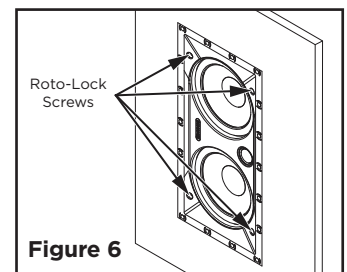
1. Fish speaker wire through the wall into the SONANCE TV Box openings using one of the provided knock outs if needed. This needs to occur before the speaker is in place.
2. Strip 1/4” – 1/2” (6mm – 12mm) of insulation from each speaker wire. Twist the strands or tin the exposed wire with solder to ensure that there are no stray strands.

**NOTE: STRAY STRANDS THAT TOUCH EACH OTHER CAN CAUSE A SHORT-CIRCUIT THAT CAN DAMAGE THE AMPLIFIER.**

3. The speaker's terminals are spring-loaded. Push the top of each terminal down to open the connector and insert the exposed wires into the holes in the spring terminals. The speaker's positive spring terminal is labeled with a red dot; the negative spring terminal is labeled with a black dot. Double check that you connected amplifier “+” to speaker “+” and amplifier “-” to speaker “-”.
4. Make sure all the Roto-Lock toggle feet are retracted so that they are tucked within the mounting hole's border. Insert the speaker into the hole in the wall (Figure 5). The Roto-Lock system can accommodate a wall material thickness of 1-1/2” (38mm). The Roto-Lock feet caps can be removed for installations in double drywall.



**Figure 5**



**Figure 6**

5. Tighten the screws on the front of the speaker baffle. The Roto-Lock toggle feet will automatically rotate into position and begin clamping the speaker (Figure 6). When you notice resistance on the screws the speaker has been clamped successfully.
6. **IMPORTANT:** Always use low torque settings; NEVER over-tighten.

**NOTE: ADJUST THE TENSION OF THE ROTO-LOCK CLAMPS SO THAT THE SPEAKER FRAME IS FLAT. THIS WILL HELP ENSURE THAT THE GRILLE CONTACTS THE WALL ALL THE WAY AROUND THE SPEAKER FOR A PROPER FIT.**

7. The micro-trim grille is held in place by several small, powerful magnets on the speaker frame. Place the grille against the speaker and the magnets will hold it firmly in place. When properly installed, the grille trim should make contact with the wall all the way around the speaker.
8. Continue with the install of the Sonance TV Box below.

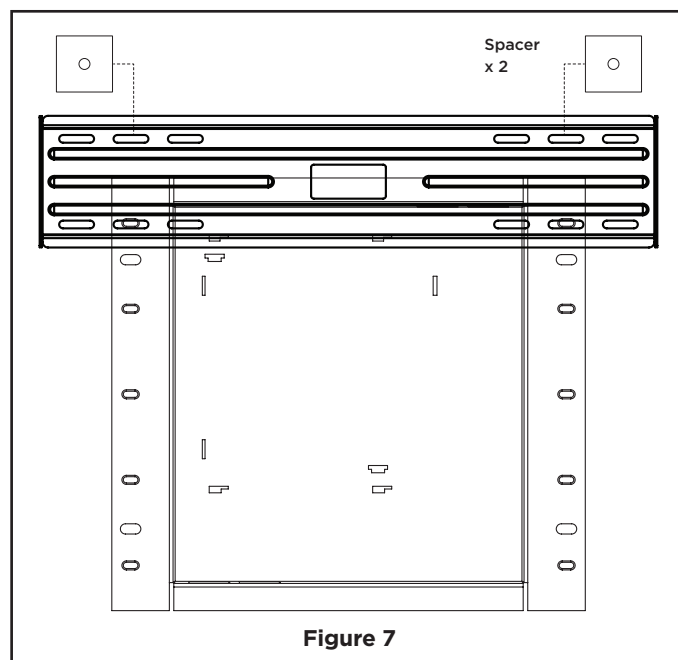
## SONANCE TV BOX INSTALLATION (CONT.)

6. Insert the provided wire grommets into the knockout holes to hold and protect your speaker wires.
7. Use the provided #6 x 1 5/8” Phillips wood screws to mount the SONANCE TV Box to the studs in the wall.

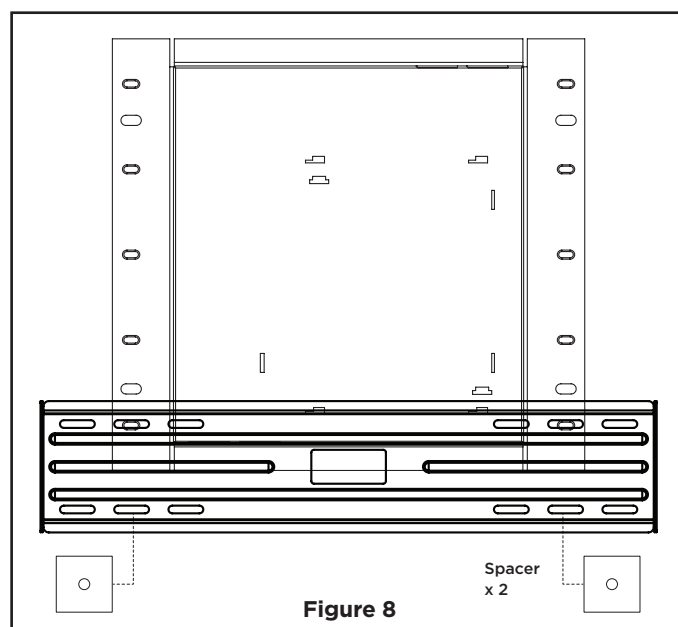
**NOTE: IF THE SONANCE TV BOX DOES NOT SPAN EVENLY ACROSS BOTH STUDS USE DRYWALL ANCHORS TO ANCHOR THE SIDE OF THE BOX THAT DOES NOT TOUCH THE STUDS**

## TV BRACKET INSTALL WITH THE SONANCE TV BOX

1. The SONANCE TV Box is designed to work with your TV bracket in a number of ways. **Option 1 above the TV box or option 2 below the TV box (Figure 7 and Figure 8)**



2. When installing your TV bracket over the Wall Box, insert the provided spacers between the wall and the outer holes of the TV bracket on both sides (**Figure 7 and Figure 8**).

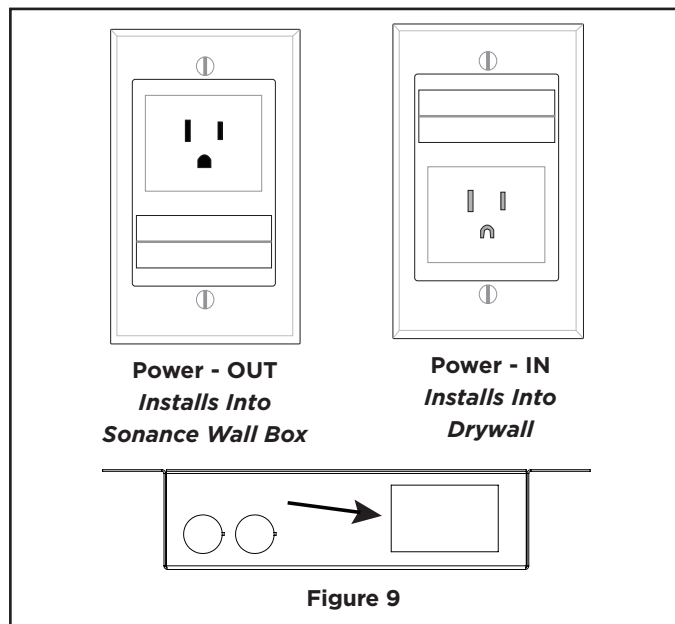


3. Mount your TV bracket using the provided spacers if needed.

## POWER BRIDGE INSTALLATION

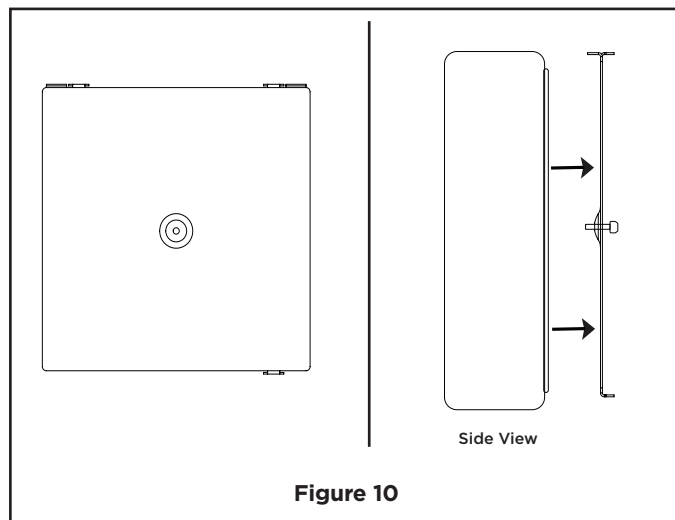
1. Refer to provided Install Instructions of the Power Bridge ONE-CK Power Cable Connector Kit.

**NOTE:** The PowerBridge Installation Manual shows the power outlet being installed on to a drywall surface. In this application, power outlet will be mounted into the SONANCE Wall Box. (See Figure 9)

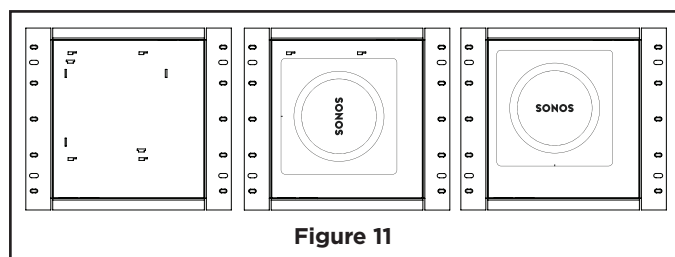


## SONOS AMP INSTALLATION

1. Use the small 10/32 x 3/4" screw to mount the SONOS amp to the provided amp mounting bracket. (**Figure 10**)



2. Attach the SONOS AMP with the bracket onto the SONANCE TV Box on one of the designated mounting holes. (**Figure 11**)



3. SONOS AMP is equipped with ARC (Audio Return Channel) which allows you to plug in your TV directly into AMP and any device connected to your TV's HDMI will transfer their audio to the SONOS AMP. HDMI ARC is a special port that looks like a standard HDMI port. Although they look the same, if you connect to a standard HDMI port, you won't hear sound.

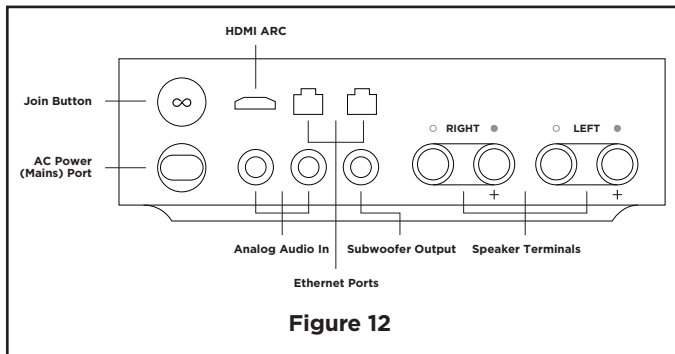


Figure 12

On your TV's audio OUT panel, locate the HDMI ARC port. It may be on the back or side of your TV. Look for the port with "ARC" on the label. If your TV does not support ARC please refer to the SONOS Amp Setup Guide.

**NOTE: Make sure to pair and setup your SONOS AMP before installing the TV.**

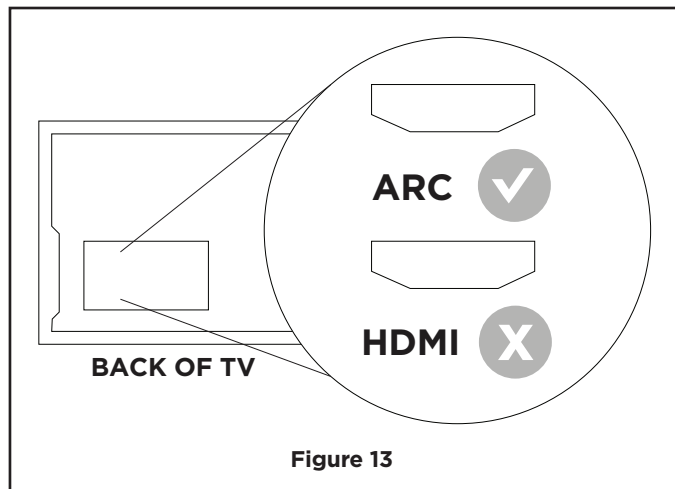


Figure 13

For assistance setting up your SONOS AMP please refer to the provided user manual or reference [www.sonos.com/amp](http://www.sonos.com/amp).

4. Attach the provided Velcro to the to back of the provided Power Strip and secure to the side of the Wall Box however it best fits your install.
5. Plug in the Power Strip along with the Sonos AMP and your TV into the ONE-CK. Plug the amp and TV into the power strip.

The USB Ports of the Power Strip can be used to power devices such as Amazon Fire Stick, Google Chromecast or Roku devices.

**INSTALL YOUR TV, CONNECT YOUR SOURCES AND ENJOY YOUR NEW MAG CONCEALED TV AUDIO SYSTEM!**

## GRILLE PAINTING INSTRUCTIONS

### Before You Begin

The MAG6 LCR grilles completely cover the exposed speaker frame, so only the grilles (not the speakers themselves) require painting.

**IMPORTANT: If the wall is painted after MAG6 LCR Speakers are installed, remove the speakers before painting. The speaker flanges must be masked before painting the wall.**

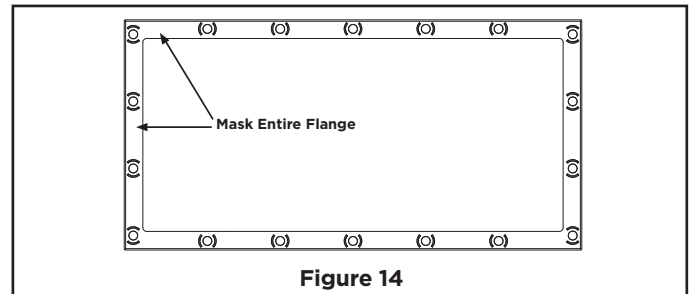


Figure 14

### Preparing the Grilles for Painting

Carefully remove the scrim cloth from the underside of the grille. The scrim cloth is held in place with a light tacking glue. Use a heating agent such as a heat gun or hair dryer to soften the glue and carefully remove the cloth, since you will need to replace it when you're done painting the grille. Be careful not to deform the cloth's shape while removing it - this will make it very difficult to properly replace the cloth on the grille. Remove any adhesive residue from the back of the grille before beginning painting.

### Painting the Grilles

1. Prime the grille with a metal primer/bonder in a spray can carefully follow the manufacturer's directions on the can and apply very lightly to not clog the grille.
2. We recommend using water-based latex paint on the grilles. Thin the paint with a proper thinning agent to a ratio of 1:1 paint-to-thinner, and strain it through a standard mesh strainer to remove any lumps.
3. Use a small touch-up gun or cap-spray gun with a #3 tip for painting.
  - (A) Set the nozzle with a medium to wide fan
  - (B) Set the pressure regulator to 60psi
  - (C) Lightly spray the front of the grille in 3 quick strokes from approximately 10 inches away
  - (D) Let the paint set for a minute, then turn the grille 90° and lightly spray the grille again in 3 quick strokes. Repeat this step until all four sides of the grille have been evenly painted.
4. While the paint is still wet, inspect the grille and make sure that excess paint has not collected underneath the grille frame, and that none of the grille perforations are filled with paint. If any are, use compressed air to blow the paint out of the perforations.

**IMPORTANT: If you find any grille perforations that are plugged with paint after the paint has dried, use a straight pin or sewing needle to carefully remove the paint.**

5. Once the paint has thoroughly dried, replace the scrim cloth on the back of the grille and mount the grille on the speaker.

**MAG6 LCR SPEAKER SPECIFICATIONS****MAG6 LCR SPEAKERS**

**Tweeter:** 1" (25mm) silk dome, Ferrofluid-cooled,  
in acoustic back chamber

**Woofers:** Two 6 1/2" (165mm) glass fiber cone,  
rubber surround

**Frequency Response:** 45Hz - 20kHz  $\pm 3$ dB

**Impedance:** 6 ohms nominal; 4 ohms minimum

**Power Handling:** 5 watts minimum; 125 watts maximum

**Sensitivity:** 90dB SPL (2.83V/1 meter)

**Grille:** Perforated steel

**Dimensions (WxHxD):** 16 1/8" x 8 3/8" x 3 9/16"  
(410mm x 213mm x 91mm)

**Cut-Out Diameter:** 14 1/2" x 6 7/8"  
(368mm) x (175mm)

**Weight:** 8 lbs (3.6kg) each



## LIMITED ONE (1) 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 remanufactured 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.

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### Your Product Model & Description: MAG SSTVAUDIO - MAG CONCEALED TV AUDIO SYSTEM

Warranty Period for this Product: One (1) year 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 non-transferable, 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 or cold or humidity, outdoor installation), 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 authorization 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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Due to continuous product improvement, all features and specifications are subject to change without notice.

For the latest Sonance product specification information visit our website: [www.sonance.com](http://www.sonance.com)

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