



Destination Audio

Audio Products That Complement Your Life.™

SW8

IN-WALL SUBWOOFER

Introduction

Congratulations on your purchase of the Destination Audio SW8 in-wall subwoofer! Your subwoofer is the result of many years of research and development dedicated to producing high quality products for home audio systems. This installation manual is designed to provide you with the information necessary to the SW8 subwoofer's installation and operation.

Technology

The SW8 features two eight-inch Poly Graphite woofers. Poly Graphite is used due its stiffness, low mass and self damping properties, the combination of which allows a virtually uncolored presentation of acoustic material. A powerful magnet and extended voice coil give the woofers high excursion capability, which ensures dynamic and accurate audio reproduction.

Crossover Network

The SW8 utilizes an optional low-pass crossover network. This network is a fixed, 100Hz low-pass filter which is active when the switch on the face of the SW8 is set to "On" as in Figure 1. When the SW8's crossover switch is on, only frequencies 100Hz and below will be reproduced by the SW8, and all frequencies above 100Hz will be "filtered" or reduced by 12dB per octave. When the switch is set to "Off", frequencies above 100Hz will not be filtered and the subwoofer will reproduce frequencies up to 180Hz. The



Figure 1
Crossover set to "On"

crossover switch should be in the “On” position when the audio signal sent to the subwoofer is ‘full-range’ and not already filtered through another crossover. The switch should be set to “Off” when the audio signal being sent to the subwoofer has already been filtered or crossed-over, such as the subwoofer pre-out from some A/V receivers and pre-amplifiers. Please refer to your A/V receiver or pre-amplifier’s owners manual for proper bass management settings information. Proper adjustment of bass management settings will ensure the subwoofer is not receiving a signal filtered through two crossovers and will allow the SW8 to perform at its best. Destination Audio suggests consulting with your dealer or installer, and experimenting with the crossover on and off to determine which is best for your system.

Installation

Your Destination Audio SW8 in-wall subwoofer has been designed to make its installation as easy as possible.

The first step is to locate where you’ll be installing the SW8 and cut the drywall according to the cutout specifications included in this manual. For your convenience, a cutout template is supplied with the SW8 to assist in helping you decide where to install it. **Warning!** Be careful and take your time during this step. Electrical and plumbing objects within the wall may interfere with the installation of the SW8. Properly installing the speaker in an area free from objects such as these will make your installation experience much better. If you’re fortunate to have used a Destination Audio IBSW8Q new construction bracket, your cutout will already be located and ready to go for the next steps.

The next step would be to locate the speaker wires which have been run to the speaker location and connect the speaker wires to the terminal connections on the rear of the SW8. The positive conductor of the wire connects to the red terminal and the negative conductor of the wire connects to the black terminal. **Caution!** Pay special attention to the Wiring section of this manual for monaural and stereo amplifier connections before proceeding.

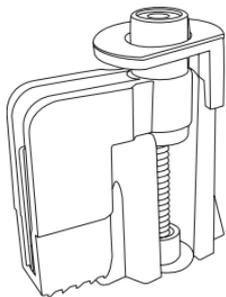


Figure 2
Dog Leg Bracket ready to be installed.

The SW8 subwoofer is secured by eight dog leg brackets. When tightened, these brackets firmly attach the subwoofer to the drywall. Before inserting the SW8 into the drywall cutout, check each of the dog leg brackets to make sure they are ready and appear as in Figure 2. Once the dog leg brackets are ready or ‘cocked’, insert the SW8 into the drywall cutout. Using a screwdriver or drill/driver, tighten each of the eight mounting screws on the front of the subwoofer. Tightening each of these screws will rotate the dog leg brackets into position as in Figure 3,

cinching them to the drywall and securing the speaker. Tighten the screws until each is snug. **Caution!** Do not over-tighten the mounting screws as this may cause the grill to be difficult to install or may cause damage to the subwoofer's frame. If you're using a drill/driver, set the clutch to a lower setting to prevent over-tightening and possible damage to the frame. If you're using hand tools, tighten just until snug.

Wiring

When wiring for a monaural or single-channel amplifier, connect the positive lead to one of the red (positive) terminals and the negative lead to the black (negative) terminal on the same set of terminals, then run a set of speaker wires to the opposite set of terminals, observing polarity as in Figure 4. This is a parallel wiring connection, and this configuration for the SW8 will yield a 4 Ohm load. **Warning!** If your monaural amplifier is not stable to 4 Ohms, you need to use a series configuration to prevent damage to your amplifier.

If you need to make a series connection from your monaural amplifier, please refer to Figure 5. Connect the positive wire from the amplifier to one of the positive terminals on the subwoofer. Connect the negative wire from the amplifier to the negative terminal on the other set of connections. Then connect a wire from the remaining positive terminal to the remaining negative terminal. This is a series wiring connection, and this configuration for the SW8 will yield a 16 Ohm load.

When wiring for a stereo amplifier, connect one set of leads to each set of terminals, observing proper polarity. This will connect each woofer individually as an 8 Ohm load.

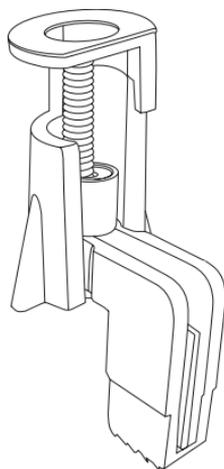


Figure 3
*Dog Leg Bracket
when installed.*

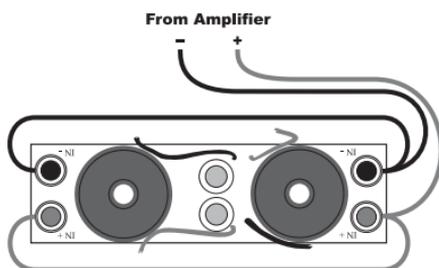


Figure 4
Parallel Wiring Connections

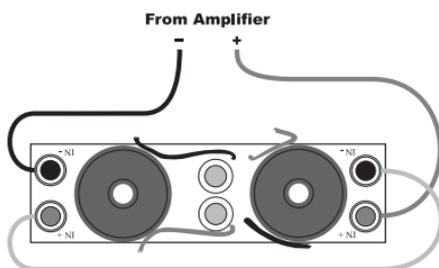


Figure 5
Series Wiring Connections

Painting

Destination Audio in-wall speaker frames and grilles can be painted any color to match any décor. A plastic paint shield is supplied and placed inside the grille to protect the speaker from becoming damaged during painting. **Caution!** It is unwise to use a paint roller to paint the grille; doing so will clog or plug the holes in the grille. **PLEASE NOTE:** This plastic paint shield must be removed before operation of the speaker begins.

Technical Specifications

Frequency Range: 35-180 Hz

Sensitivity: 90dB (2.83v @ 1 Meter)

Recommended Amplifier Power: 50-200 Watts

Drive Units: 2 - 8" (202mm) Poly Graphite woofers

Crossover Frequency: 100Hz (low-pass on)

Filter Slope: 12dB/Octave

Impedance: 8 Ohms (each driver)

Finished Dimensions: 18³/₄" H x 10¹/₄" W x 4" D
(476mm H x 260mm W x 102mm D)

Cutout Dimensions: 17¹/₂" H x 9" W
(446mm H x 229mm W)

Weight: 10 lbs (4.55 kg)

Warranty

Your Destination Audio in-wall subwoofer is covered by a limited warranty against defects in materials and workmanship for a period of ten (10) years from the original date of purchase. This warranty is provided by the authorized Destination Audio dealer where the subwoofer was purchased. Warranty repair will be performed only when your purchase receipt is presented as proof of ownership and date of purchase. Defective parts will be repaired or replaced without charge by your dealer's store or the location designated by Destination Audio which is authorized to service Destination Audio products. Charges for unauthorized service and transportation cost are not reimbursable under this warranty. This warranty becomes void if the product has been damaged by alteration, misuse or neglect. Destination Audio assumes no liability for property damage or any other incidental or consequential damage whatsoever which may result from the failure of this product. Any and all warranties of merchantability and fitness implied by law are limited to the duration of this express warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

