



OS-8 II

OPEN SHOW TWO WAY COMPONENT 8" LOUDSPEAKER SYSTEM

Congratulations on your new SUONO Component Loudspeaker System!

Your new Open Show loudspeaker system has been built with the finest materials, under strict worldwide quality norms.

The final performance of your new component speaker system is very dependent on its installation and adjustment. We urge you to study this manual and/or leave this task to a Professional Installer.

CHARACTERISTICS:

OS-8 II Midranges

- Woven fiberglass cone
- M-type cloth surround
- 300 Watts RMS
- 4 ohms Nominal Impedance
- Kapton 1.5" voice coil
- 120 mm, 25 Oz Strontium ferrite magnet

OS II Tweeters

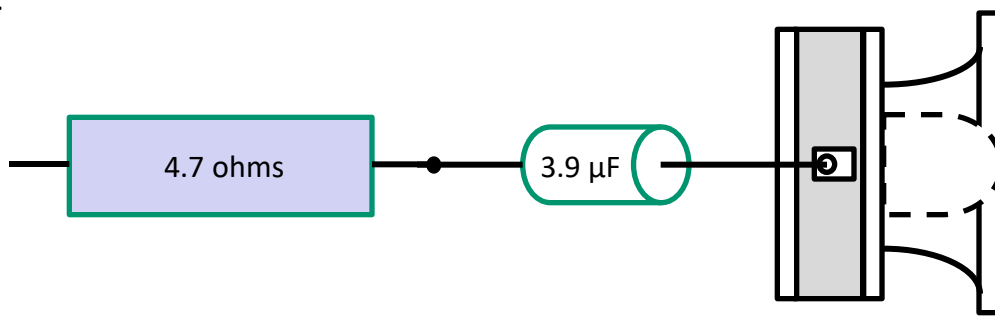
- 1.8" Kapton voice coil
- Titanium diaphragm
- 100 Watts RMS
- 4 ohms Nominal Impedance
- 90 mm Strontium ferrite magnet

The **OS-8 II Midrange** is designed to work full-range, no filter is needed. If you would like to use an electronic filter, our recommendation is a second-order low-pass filter at 5,000 Hertz.

The **OS II Tweeter** comes with a 3.9 μ Farad capacitor soldered to its positive pole. Besides that capacitor, your tweeter includes a 4.7 ohm ceramic resistor.



If you are looking for the best spectral balance between midrange and high frequencies, we suggest you add that resistor in series, as shown in the diagram below. Please use solder for the unions. Those who are looking for a really aggressive sound, may not use it. Being the case, perhaps you may want to experiment the differences.



If you are planning on using electronic filters for your tweeters, a good choice would be a third-order high-pass filter at 5,000 Hertz. Even if you are using an active filter it is still recommended to add a 250 Volts bipolar 16 μ Farads (or bigger) capacitor in series with the positive pole of each tweeter (being AC it doesn't matter if its the positive or negative pole), whose only job will be to block DC current from clipped signals (distortion). Because the cut-off frequency of such a capacitor is lower than the specified crossover frequency, it won't alter the planned frequency response of the system.

Whenever playing music at high-intensity levels, try never to go beyond the point where distorted music is noticeable. Distortion not only sounds bad but its the main ingredient for burnt speakers.

SPECIFICATIONS:

Nominal Impedance: 4 ohms
 Power Handling: 300 watts RMS
 Frequency Response: 80 - 20,000 Hz

Thiele-Small parameters for the 8" Driver:
 Fs: 89.4 Hertz
 Qes: 0.738
 Qms: 13.5
 Qts: 0.697
 Vas: 12.1 liters
 Bl: 6.33 Nm
 Re: 3 ohms

If you are planning on building enclosures for your 8" midranges, our recommendations are the following: Boxes are for each driver. Please add fiberglass, dacron, or equivalent to the interior as a sound absorber.

Sealed box with 14 internal liters.

Bass Reflex with 21 internal liters, vented with a 3" diameter port, 2.5" in length.



A	B	C	C1	mm
100.12	89.18	59.45	69.55	

A	B1	B2	C	C1	D	mm
210	176	120	78	81.5	220	

WARRANTY:

SUONO products are guaranteed for one year for the original retail purchaser against defects in material and workmanship. Products found to be defective will be repaired or replaced (at SUONO's discretion) at no charge. Damage caused by misuse, abuse, product modification, accidents, improper installation, water, and unauthorized repair attempts is not covered. Cosmetic or finish damages are not covered. Products not purchased in the United States from an authorized dealer are not covered. Incidental or subsequent damages to other products are not covered. Any costs or expenses for removing and/or reinstalling the product are not covered. SUONO's total liability will not exceed the purchase price of the product. Some states do not allow limitations on implied warranties so this may not apply to you. You are responsible for the shipment of your product to SUONO. Please get in touch with SUONO first to get a Return Authorization Number.

SUONO CAR AUDIO LLC