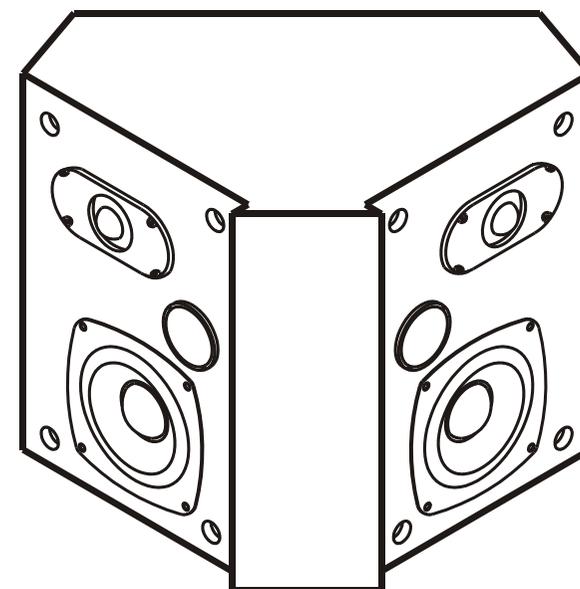


AVANT S1

dipole loudspeaker owners manual



 **SONODYNE**[®]

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INTRODUCTION

Congratulations on your choice of the Avant S1.

By choosing this dipole loudspeaker, you have enrolled into a select club of serious home theatre enthusiast. To help you get listening quickly, we have included here our thoughts on the setup and listening processes. And after you are all set up, do drop us a line through www.sonodyne.com.

UNPACKING

Your carton contains one Avant S1 dipole speaker.

We suggest that the S1 be "broken in", that is played for some time, so that it can quickly start performing at its best! If you do not want to do this when you are at home set your source unit, i.e., CD player on "repeat entire disc" mode.

D E S C R I P T I O N

2 way dipole speaker

E N C L O S U R E

MDF, vented design

T R A N S D U C E R

COMPLEMENTS 2 x 4" PP cone woofer

1 x 1/2" polycone tweeter

N O M I N A L

IMPEDANCE 8 Ohm

F R E Q . R E S P O N S E (±

3dB) 80Hz ~ 21kHz

S E N S I T I V I T Y

(1W/1M) 88dB

R E C O M M E N D E D A M P .

POWER 50~150W

Due to continuous improvements, all specifications are subject to change

All Sonodyne loudspeakers of the Avant range are manufactured with modern and thoroughly tested materials, which normally do not require any maintenance other than once in a while opening the front grille and vacuuming the cloth. If the loudspeaker's cabinet becomes greasy you may clean it by moistening a soft cloth with water and a mild soap to remove the dirt. Then, use a dry cloth to wipe and restore the original finish.

Please DO NOT use scouring powder, petrol, or any sort of alcohol or solvents to clean the loudspeaker. It will damage the finish permanently.

CONNECTIONS

The Avant S1 is equipped with gold-plated binding post terminals, where red indicates +ve and black, -ve. The following information should assist in choosing the correct cable if extra cable is required:

	Cable run	Cable gauge
	< 3 m	14/36 (14 strands of 36 SWG)
	3-6 m	23/36
	> 6 m	48/36

Please proceed with the connection in the following fashion:

- Turn off the amplifier
- Gently pull off the insulation on the cable ends (which has been pre-cut at the factory)
- Twist the strands on the wire together
- Turn the gold-plated binding posts counter-clockwise until the twisted wires can be easily inserted into the holes
- Turn the binding posts clockwise to secure the cables in the terminals
- Ensure the connection is a tight fit. Also ensure that no loose strand of the wire is projecting from either of the cables

NOTE:

- A. Verify that the wires from the +ve and -ve cables do not touch each other, as a short-circuit could damage the amplifier's output

AMPLIFIER SECTION

We recommend using amplifiers whose continuous (rms) power per channel is greater than or equal to that the S1 handles. In the event that the power is greater, care must be taken to avoid playing music at excessively loud levels and thus damage the speaker. Also, while using an amplifier with rms power lower than the rated power handling of the S1, please ensure that the amplifier level is kept a few steps below maximum level. Lower powered amplifier, operating at close to max, often produce distorted signals, or very powerful musical signals. This can lead to damage of the high frequency driver, the tweeter.

SPEAKER PLACEMENT

Finding the right position for the Avant S1 are also very important. The following should aid in locating that optimal position:

- The objective of the S1 is to create a diffused surround sound field; one in which you should be immersed. To do so, first, the S1 must be wall mounted. They are already provided with the necessary hardware. You may also, of course, set them atop a customised rack or shelf
- The S1 may be mounted either on the side or rear wall. The key is, the S1 produce a null sound field directly in front. So, it is best that they be placed where the side firing faces are closest to a reflecting surface

The acoustical makeup of your listening room is key in determining how good (or bad) is the sound that reaches your ear. The contents of a room (carpets, curtains, furniture etc.), its shape, and the material of which the boundaries are made, make or break your sound. The idea is to have a listening area where the absorptions and reflections are calibrated to attain, as far as possible, a neutral environment. While there are no 'quick fix' formulae to convert a room to an 'ideal listening room', here are some things that you might try to attain optimal performance.

In your listening room, clap your hands, snap your fingers, and jingle a ring of keys. If the resulting sound is unintelligible (muffled), and resonating, your room is inclined toward being reflective. In this event, you might want to: Hang up curtains/ Lay a carpet or rug / Introduce book cases/other racks. In the event that the resulting sound is too damped your room is inclined