Owners Manual and Set-up Guide:

Genesis Standard Surround Loudspeaker

Contents

A Message from Genesis

Congratulations! You are now the owner of one of the finest loudspeakers in the world. Based on technologies developed for our flagship Genesis 1.1, the Genesis Standard Surround Loudspeaker is designed for those of us who live in beautiful homes and want an elegant loudspeaker that will deliver the best sound in its class.

The Genesis Standard Surround 1 (or SR1) is used as surround or rear speakers in a home theater set-up, or in an audiophile multi-channel music system. It is voiced to be mounted high above the ear-level on the wall, recessed into a wall, or in the corners of a room. In a small room, or where space is tight, four can be used in the four corners of a room to deliver an excellent surround system with the addition of the Genesis Standard Center Loudspeaker.

As part of the Genesis family of loudspeakers, it has an identical tweeter, midrange, and mid-bass coupler drivers, and a similar voice to the rest of the family. Being a Genesis absolute fidelity™ product, it is a perfect complement to any other Genesis model.

Sound structural engineering principles have been applied to make the SR1 cabinet rigid and well-damped. All construction and even internal braces are made of 15mm MDF to ensure that the cabinet is the best environment on which to mount the transducers. This results in extremely low cabinet coloration, and excellent sound-staging and imaging. (Yes, the sound-stage is important even for rear speakers!)

Please read this Owners Manual and Set-up Guide to get the maximum enjoyment out of your purchase. Also, check out our website at www.genesisloudspeakers.com for the latest updates, tips & tricks and support for our owners.

1 Set-up Guide

Now that you have your new Genesis Standard Surround 1 loudspeaker, we realize that you can't wait to hook it up and start playing! However, please read this quick set-up guide (even if your dealer is setting it up for you) before you proceed.

1.1 Unpacking

Your loudspeakers will come to you in a large shipping carton weighing over 43lbs (20kgs). Use correct lifting techniques when moving the speaker carton around or lifting the speaker out of its carton. We will ***not*** be held liable for damage to either the speakers or your backs during unpacking and setting up.

1.2 Placement

The speakers should be hung high on the side-wall, in corners, or even mounted in the wall with the "nose" protruding. You will need a qualified installer to mount them on strong brackets. The speaker weighs 38.5 pounds (17.5kgs) each, and can cause death or severe injury if it falls on someone! As the typical surround loudspeaker, they are voiced to be used firing over the heads of the audience.

A good starting position is for the SR1 to be placed horizontally about 72 inches from the floor and approximately 10 degrees behind the listener, and at the same distance from the listener as the main Left/Center/Right speakers.

The SR1 should be hung on extremely strong brackets on the wall, or installed onto the wall by a competent installer. They can also be installed in the rear corners of the room, where they can do double duty as rear and side surround loudspeakers.

The SR1 are designed to be augmented by a subwoofer, and for this purpose they have two pairs of binding posts. The pair labelled "THRU" is wired in parallel with the inputs[#], and are used to 'jump' to a Genesis ServoSub™. If a ServoSub is hooked up in this way, set the speaker to "LARGE" on the home theatre processor. If a subwoofer is not used, set the speaker to "SMALL".

[#] These are NOT to be used for bi-wiring or bi-amping.

If you have any questions, feel free to contact us at Genesis. Our website is the first place you can look to for more information, but you are welcome to either send us an email, or just give us a call!

1.3 Connections

The speakers should be connected directly to the speaker-level output of your power amplifiers using high quality speaker cables and the 5-way binding posts.

The high-level thru-put binding posts on the speaker are for connecting it to a subwoofer. We recommend the Genesis ServoSub™ 928 or the ServoSub™ 2/12t as the perfect complement to this speaker. The S2/12t is designed for corner or sidewall loading – making it the ideal companion for a surround loudspeaker, and unobtrusively placed in a rear corner of the room.

The ideal interconnect for this is the Genesis ServoSub-Loudspeaker Interface Cable. This is because the loudspeaker to powered subwoofer interconnection is a unique electrical interface that is not properly served by either an ordinary interconnect cable or loudspeaker cable.

2 The Technologies used

2.1 The Transducers

The transducers in the 3-way Genesis Standard Surround are all proprietary Genesis-designed drivers manufactured to our exacting standards:

2.1.1 The Genesis Ribbon Tweeter

Reviewers in the audiophile press have often remarked that the Genesis circular ribbon tweeter is the world's best – and they still do, up to today. It is a one inch circular planar ribbon design crafted from an extremely thin membrane of Kapton® with a photo-etched aluminium "voice coil" that is a mere 0.0005 inch thick. The entire radiating structure has less mass than the air in front of it! That is why it will accurately reproduce frequencies beyond 36 kHz.

The result of this design is a driver that has a rapid and uniform response to high frequencies and has the speed of the best ribbon/electrostatic designs, without the high distortion and poor dispersion that is typically associated with them.

2.1.2 Titanium Midrange

We sometimes say that the midrange is a window into the mind of a composer or a singer. And indeed, the midrange is where the "magic" is in a well-recorded musical event.

The SR1 uses a Genesis-designed proprietary 5 inch titanium-coned midrange to cover this critical frequency spectrum. Manufactured out of one of the lightest and stiffest materials known, this low mass cone driver is one of the best midrange transducers ever made, with nearly instantaneous transient response, enabling the SR1 to sound lifelike and effortless.

2.1.3 Aluminum-cone Woofers

The SR1 incorporates two 6.5 inch metal cone woofers. Made of a cone of solid aluminium, the suspension and voice-coil have been maximized for long, distortion-free excursion so as to increase dynamic range. Our aluminium cones are a magnitude stiffer than plastic or paper cones, and virtually eliminate the problems caused by cone bending and break-up.

2.2 Crossover

The crossover is the brain of the loudspeaker. In order to manage and maximize the performance of the extensive complement of transducers

used in Genesis loudspeakers, we spend an inordinate proportion of money on the crossover.

Each crossover is designed by computer modelling plus years of knowledge and experience. The inductors are custom designed and made for Genesis with OFC copper windings. Genesis Capacitors (GenCaps), using high-quality polypropylene-film and tin-foil (not aluminium) are also used throughout the crossover.

More importantly, the crossovers are designed with many, many hours of music listening and constant refining, tuning and tweaking of the circuit. Out of this comes the “magic” that is a Genesis-designed loudspeaker system. For example, by going the more expensive route of using several smaller capacitors in parallel instead of a single large one, transparency and musicality were improved.

2.3 Vibration-free Cabinet

The cabinet was designed for aesthetics, but with an obsession to sonic quality, vibration control, structural strength and rigidity. Extensive bracing was carefully incorporated using 12mm slabs of MDF to eliminate cabinet flex and panel resonance.

Incidentally, MDF was chosen as the material of choice for its damping properties and its consistency in hardness, density and rigidity. It would actually have been cheaper and easier to make the cabinet of solid wood, but that would have been a compromise.

3 Specifications

- Frequency Response: 75Hz to 36kHz, ± 3dB
- Sensitivity: 88 dB, 1 watt 1 meter
- Min/Max Power (Tube): 45/300 watts per side
- Min/Max Power (Solid State): 50/500 watts per side
- Input Impedance: 6 ohms (Nominal)
- HF Transducers: One 1" Circular Ribbon Tweeter
- Midrange Transducers: One Genesis 5" titanium cone midrange
- LF Transducers: Two Genesis 6.5" aluminium cone
- Inputs: High-level with 5-way binding posts
- Throughputs: High-level with 5-way binding posts
- Dimensions: H 14½ " x W 20½" x D 12"
- Weight: 38 lbs (17kg) per side
- Finishes: Satin black