



LEGACY

Owners Manual For The
Sconce
Surround
Loudspeaker System



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Owners Record

The model and serial numbers are located on the rear of the unit. Record these numbers in the spaces provided below. Refer to them when calling upon your dealer regarding this product.

Model No. _____

Serial No. _____

Date of purchase: _____

Thank you for selecting a Legacy Loudspeaker System. These hand-crafted instruments will provide you with many years of listening enjoyment. Please take a few moments to read this brief manual to insure maximum benefit from your speaker system.

The Cabinetry / Our Commitment

Handcrafted

Each Sconce cabinet is impeccably finished with select veneers. The exquisite finish is hand-rubbed several times to assure a patina at home with the most elegant decor.

Our Commitment

A great deal of forethought, love and satisfaction is instilled in each piece of Legacy workmanship. We take pride in getting to know many of our customers on a first name basis.

Your purchase is backed by the renown “Legacy Satisfaction Guarantee”.

Unpacking Your Speakers

Your new speaker system has been very carefully packaged to insure that it travels to you safely. A double-wall outer carton protects each speaker with heavy V-board corner protectors. Custom foam end caps are used to protect the elegant cabinetry, and a plastic liner is provided as waterproofing. Please save this packing for future transportation. If cartons become damaged or misplaced, new ones can be purchased from Legacy Audio.

Speaker Installation

Precautions

If you have any doubts about your ability to properly install in-wall loudspeakers, you should use the services of a custom installer.

Speaker Installation

Installing the Sconce On-Wall Loudspeakers

Packing List

Sconce Speaker with pre-attached mounting keys
Installation Manual

Tools Required

Pencil
Level
Phillips Screwdriver
Tape Measure

Speaker Installation

Installation Recommendations:

1. Determine and mark the location of all speakers since changes to the location of one speaker may affect the other either aesthetically or acoustically. Sconce speakers may be installed either horizontally or vertically. Sconce Surround speakers can only be installed in the vertical position. Consider the location of pipes, wires or other materials that may be affected by drilling or installing fasteners into the wall.
2. It is recommended that on-wall speakers be installed where all fasteners or screws are imbedded into a wall stud or masonry component. Other options **may** include the use of mollies or toggles depending upon the wall materials and thickness.
3. Install suitable speaker wire from your electronic components to the location of where the speaker terminal plate will rest once installed and leaving enough wire to allow easy connection to both the electronic equipment and the speaker. Legacy Audio recommends the use of up to 16-gauge wire for the Sconce speaker system.

Speaker Installation

4. Install a #10 screw into the wall surface that is long enough to provide at least one inch penetration into the wall stud or masonry surface and leaving at least 1/8" protruding from the wall.
5. Using at least two people, lift the Sconce Surround speaker close to the mounting screw and make necessary wire connections insuring correct wire polarity. Place the Sconce Surround speaker onto the screw head using the corresponding keyhole on the rear of the speaker. Insure the speaker locks onto the mount by pushing down.

Hook Up Cables

Note: Before you purchase loudspeaker wire, check local building codes to make sure that the wire is rated to comply with applicable local safety codes such as UL or CL-2. When pulling wire, take care not to pull the wire too fast to prevent stretching the wire or damaging the insulation from friction. Leave 2 to 3 feet of excess loudspeaker wire at both ends; it is easier to trim off excess wire than to splice additional wire. When securing the wire inside the walls, be careful not to pierce the insulation with nails or staples.

Amplification

Ideally the loudspeaker would be among the first components selected when assembling a playback system. This would allow the user to choose an amplifier capable of delivering adequate amounts of current into the frequency dependent load presented by the loudspeaker. However, when upgrading a system, audiophiles may find themselves matching their new loudspeakers to their existing amplification. For this reason, extensive measures have been taken to ensure that each Legacy speaker system represents a smooth, non-reactive load to virtually any amplifier.

How much power will your new speakers need? That ultimately depends on your listening environment and musical tastes. As little as five watts per channel should drive them to a level satisfactory for background music. To obtain maximum performance from your Sconce speakers, 100-150 watts per channel are recommended.

How much is too much power? Rarely is a drive unit damaged by large doses of music power. More often than not the villain is amplifier-clipping distortion. When an amplifier is unable to fulfill your loudspeakers demands, a damaging harmonic spike may be leaked to the high frequency drivers.

Another important point regarding loudness is that the dB scale is a logarithmic one. This means that a 150-Watt amplifier will potentially sound only twice as loud as a 15 Watt amplifier.

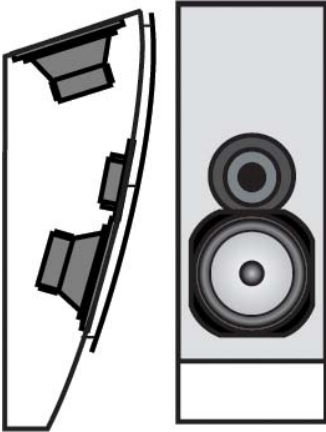
Designer's Note (From Bill Dudleston)



Legacy Audio developed two high performance drivers specifically for the Sconce™ system. Our new 1" Spiral Neo ribbon tweeter provides the 'air' and definition found only in the finest audiophile speakers, yet with dispersion specially optimized for wall placement. The dual 5.25" midrange/bass driver utilizes our revolutionary new Silver/Graphite cone material. Silver threads are interwoven with stiff, low mass, graphite fibers to allow wide bandwidth and high efficiency. A rigid cast frame assures clarity.

As form and function combine, special filters are included in the crossover to compensate for the influence that the wall boundary has on the acoustic radiation impedance. Left untreated, bass will lack definition and vocals will become thick and tubby. Similar to modern bridges, the curved fronts of the Sconce™ cabinets are braced and tensioned to control vibrations. Wall mounting is straightforward and sturdy. The uniquely beautiful cabinetry is worthy of the Legacy hallmark, and is available in a variety of finishes.

Specifications



System Type: 3 drivers, 3 way, bipolar Top firing array

Tweeter: Spiral Ribbon Neodymium Motor

Woofer: 2 x5.25" Cast Frame Silver/Graphite

Frequency Response: 67-22kHz

Impedance: 4 Ohms

Sensitivity: 90 dB

Recommended Amplification: 15-150 Watts

Crossover Frequency: 1.5, 3.2k

Dimensions (H x W x D): 21 x 7 x 7

Weight: 27 pounds

Notes:



© 2004 Legacy Audio
150 Locust Street.
Macungie, PA 18062
Phone: 610 965 0494
Fax: 610 965 4915