Infinity®

OWS-1

Owner's Guide

Infinity OWS-1

The OWS-1 loudspeaker reinforces Infinity's long-standing commitment to accurate sound reproduction. Our proprietary Ceramic Metal Matrix Diaphragm™ (C.M.M.D.™) drivers allow the OWS-1 to deliver uncompromising performance in any stereo or multichannel home theater application.

Unpacking the Speakers

If you suspect damage from transit, report it immediately to your dealer. Keep the shipping carton and packing materials for future use.

Placement

Before deciding where to place your OWS-1 speakers, carefully survey your room. Use Figure 1 as a guide for stereo placement, and use Figure 2 as a guide for home theater applications.

NOTE: An Infinity powered subwoofer will add impact and realism to both music and film soundtracks. Contact your local Infinity dealer for recommendations on subwoofer models for your application.

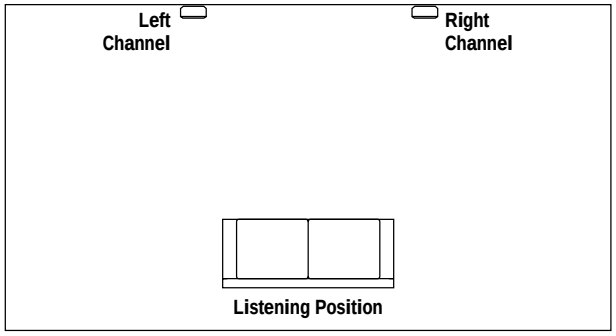


Figure 1 – This overhead view shows a typical stereo placement.

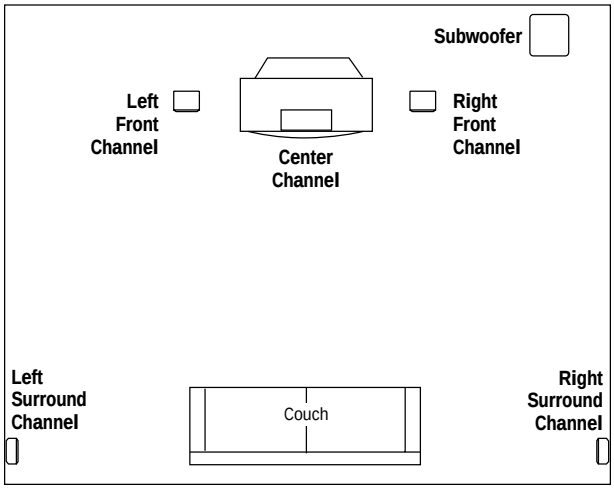


Figure 2 – This overhead view shows the OWS-1 as a surround speaker in a typical home theater plan.

Wall-Mounting the OWS-1

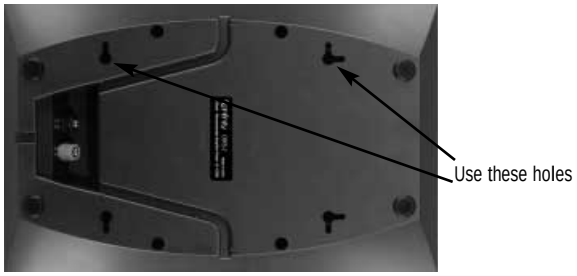
The OWS-1 speaker is designed to mount directly to a wall. Each OWS-1 speaker has (4) keyholes on its rear to allow either a vertical or horizontal placement. Each speaker will require (2) 1-1/2," #8 wood screws fastened to a wall stud. If a wall stud is unavailable, install an anchor appropriate for a 1-1/2," #8 screw. Use the supplied template to accurately position the screws on the wall and refer to the diagrams for more assistance.

NOTE: The customer is responsible for the correct selection and use of mounting hardware (available through hardware stores) that will ensure the proper and safe wall-mounting of the speakers.

Step 1.
Position the supplied wall-mount template on the wall in the desired speaker location. You may choose a vertical or horizontal position. Make two markings per speaker.

Vertical position

Horizontal position



NOTE: For horizontal placement in a surround application, position the speaker so that the tweeter is closest to the main listening area.

Step 2.
Fasten (2) 1-1/2," #8 wood screws to the wall using the markings placed in Step 1 as your guide. Leave a 3/8" space between the wall and screwhead. If a wall stud is not available, use an appropriate anchor.

Step 3.
Place the speaker on the wall by aligning the upper two keyholes on the back of the speaker to the screwheads on the wall. Once positioned properly, the speaker should slide down slightly and become secure.

WIRING THE SYSTEM

IMPORTANT: Make sure all equipment is turned off before making any connections.

For speaker connections, use a minimum #18-gauge speaker wire with polarity coding. The side of the wire with a ridge or other coding is usually considered positive polarity (i.e., +). Heavier gauge wire should be used when more than 50 feet of speaker wire is required. The wire channels on the rear of the OWS-1 will accommodate most types of 14- to 18-gauge wire.

NOTE: If desired, consult your local Infinity dealer about speaker wire and connection options.

The speakers have coded terminals that accept a variety of wire connectors. The most common connection is shown in Figure 3.

To ensure proper polarity, connect each + terminal on the back of the amplifier or receiver to the respective + (red) terminal on each speaker, as shown in Figure 4. Connect the – (black) terminals in a similar way. See the owner's guides that were included with your amplifier or receiver to confirm connection procedures.

IMPORTANT: Do not reverse polarities (i.e., + to – or – to +) when making connections. Doing so will cause poor imaging and diminished bass response.

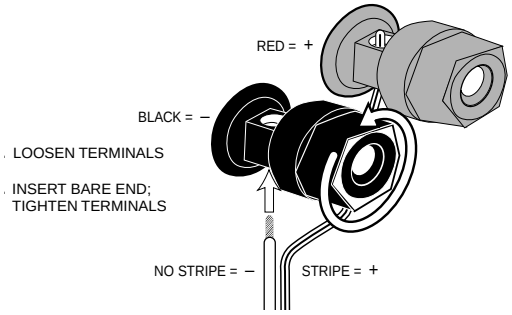


FIGURE 3 – This example shows how to connect bare wires to the terminals. Banana plugs may also be inserted directly into the rear of the connector.

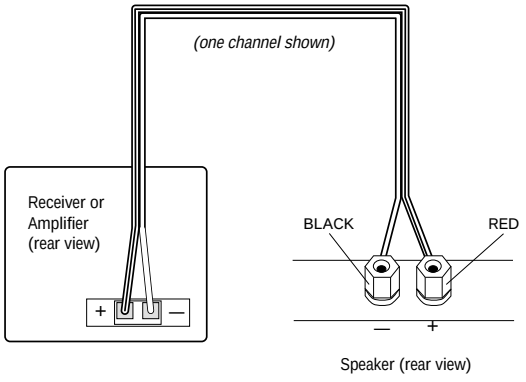


FIGURE 4 – Wiring diagram shows polarity connections for one channel of a stereo or home theater system.

FINAL ADJUSTMENTS

Check the speakers for playback first by setting the system volume control to a minimum level, and then by applying power to your audio system. Play a favorite music or video segment and increase the system volume control to a comfortable level.

NOTE: You should hear balanced audio reproduction across the entire frequency spectrum. If not, check all wiring connections or consult the authorized Infinity dealer from whom you purchased the system for more help.

When the OWS-1 speakers are used as part of a Dolby® Digital or DTS® multichannel home theater system with a powered subwoofer, it is recommended that you set your receiver/processor speaker mode to "small" or "high-pass" for all channels connected to an OWS-1. In addition, some receivers/processors allow you to adjust the high-pass frequency for the "small" or "high-pass" setting. If your receiver/processor has this capability, it is recommended that you set the high-pass frequency to the lowest setting above 70Hz. Consult your receiver/processor manual for more information about these adjustments.

CARE OF YOUR SPEAKER SYSTEM

The OWS-1 does not require any routine maintenance. When needed, use a soft cloth, dampened with water only, to remove any fingerprints or dust.

Clean the grille by gently vacuuming.

NOTE: Do not use any cleaning products or polishes on the cabinet or grille.

SPECIFICATIONS

Frequency Range:	70Hz – 20,000Hz (±3dB)
Recommended Amplifier Power:	15 – 125 watts
Sensitivity: (2.83V @ 1 meter)	90dB
Nominal Impedance:	8Ω
Crossover Frequency:	2500Hz; 24dB/octave
Low-Frequency Driver:	6-1/2" (165mm) C.M.M.D.
High-Frequency Driver:	3/4" (19mm) C.M.M.D.
Dimensions (H x W x D):	14-1/2" x 9" x 4-1/2" (368mm x 229mm x 114mm)
Weight:	6.5 lb (3.0kg)

Infinity continually strives to update and improve existing products, as well as create new ones. The specifications and construction details in this and related Infinity publications are therefore subject to change without notice.

Declaration of Conformity

CE

We, Harman Consumer International
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72500 Chateau-du-Loir
France

declare in own responsibility, that the product described in this owner's manual is in compliance with technical standards:

EN 50081-1:1992

EN 50082-1:1997

Luc E. Godard
Harman Consumer International
Chateau-du-Loir, FRANCE. 4/01

Infinity

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