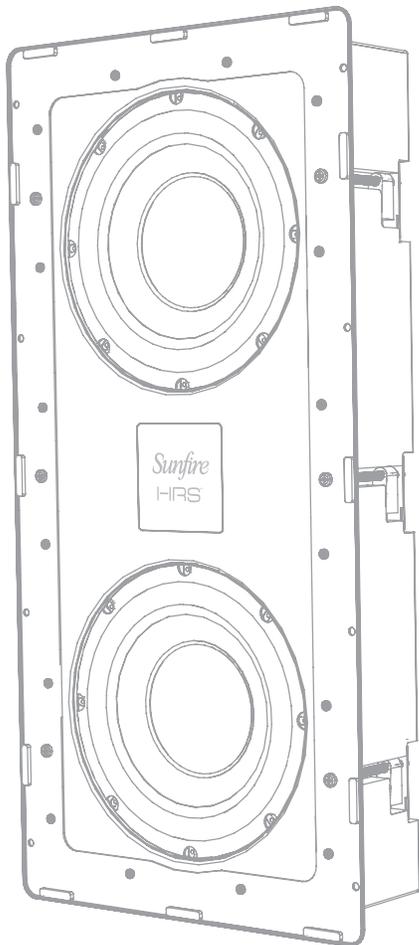
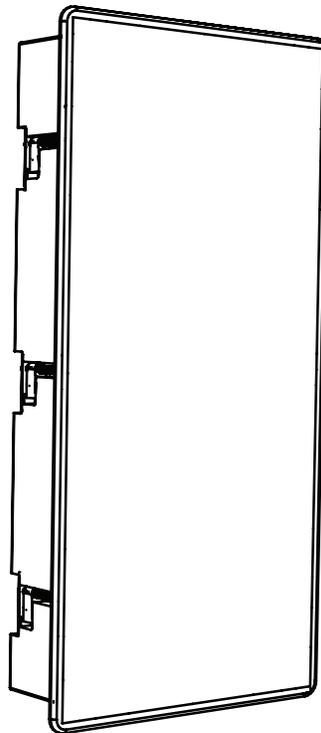


Sunfire® | HRS™



*High Resolution Series
In-Wall Subwoofer*



HRSIW8

Application Guide

OVERVIEW

The HRSIW8 amplifier is specifically designed to supply speaker-level power to the HRSIW8 in-wall subwoofer. This will produce stunning low frequency effects for your home theater or listening room. This application guide is designed to give you an overview of the amplifier and the subwoofer in a single a dual subwoofer system. For further details, please look at the HRSIW8 amplifier and subwoofer manuals.

FEATURES & SPECS

AMP DESIGN:

- * 500 watt class D amplifier
- * DSP system equalization
- * Two line-level XLR balanced inputs
- * Two line-level RCA unbalanced inputs
- * Sub/LFE mode control

Subwoofer Design:

- * Dual 8 inch woofers
- * Fiberglass cones
- * StillBass anti-shake technology
- * Designed for in-wall mounting with six wall clamps

SYSTEM PERFORMANCE:

- * Output: 106 dB (including room gain)
 - * Maximum Power: 520 watts rms
- * Frequency Response: 33 Hz-150 Hz (-3 db)
 - * Crossover Frequency: 40 Hz-160 Hz

WIRING:

- * In most cases, the HRSIW8 amplifier will be located at the head-end (rack). Therefore, a 2-conductor speaker wire will need to be run from the head-end to each subwoofer location. High quality 12 gauge or larger, high strand-count speaker wire is recommended. Binding post wall-plates should be used to trim out the wiring for a clean, professional installation.

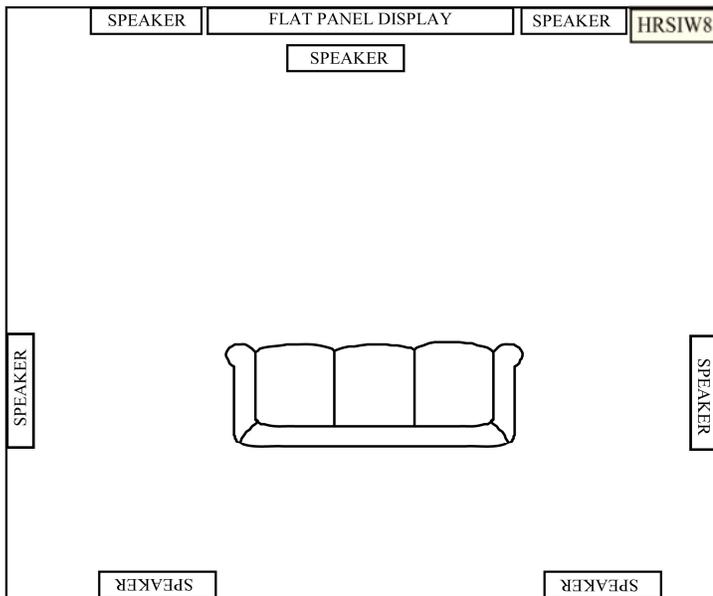
APPLICATION #1—Single HRSIW8 subwoofer in a 7 channel surround system



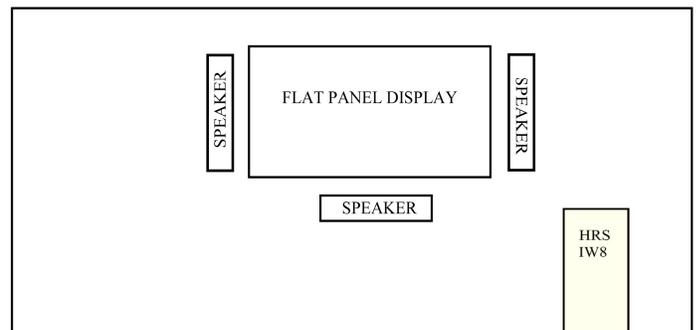
Rooms up to
400 square feet

HRSIW8 can easily be mounted vertically (12 3/16 in wide) in a standard 16 in stud bay or horizontally (24 11/16 Height) if the wall is framed prior to drywall. A single sub can be placed on either side of the display (left side vertical shown below in the top view). A horizontal mounting (shown in the front view) is a little more involved, but can result in a centerpiece for the home theater allowing it to be centered with the display and center channel speaker.

Top View



Front View



SYSTEM NOTES

HRSIW8

- * HRSIW8 can be mounted horizontally or vertically as shown above, however the subwoofer can be installed on the side or rear walls as well.
- * Installing the HRSIW8 in the corner of a room will reinforce the low frequencies and is ideal for a home theater application.
- * Installing the HRSIW8 in the center of a room (front wall ideal) will allow adequate bass, but will tend to be less “heavy” and somewhat tighter. This is ideal for dedicated music listening rooms

Speakers

- * In-wall or On-wall speakers can be used with the HRSIW8

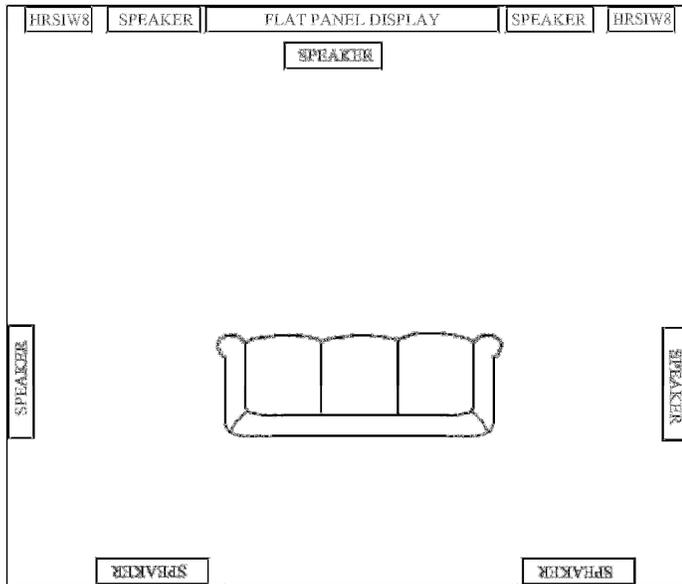
APPLICATION #2—Double HRSIW8 subwoofers in a 7 channel surround system



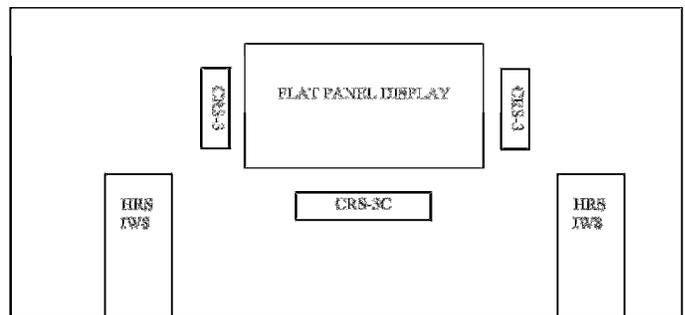
Rooms 400 sq ft
and larger

A multiple sub application may be required for larger rooms or acoustically challenging rooms. This will increase overall bass performance and flatten the room response. It also may present a balanced look with a subwoofer on each side of the screen. When two subwoofer cabinets are used they **must** be connected to the amplifier in **series**.

Top View



Front View



SYSTEM NOTES

HRSIW8

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Speakers

- * In-wall or On-wall speakers can be used with the HRSIW8

The HRSIW8 Remote:

The remote control gives you the ability to easily calibrate the amp/subwoofer for the room and type of audio you are listening to. Use the DSP display on the front of the amp to view the settings during adjustments.

Power: Turns the amp on, or puts it into standby mode where it is effectively off.

Mute: Mutes the subwoofer output

Menu Navigation/Menu: These controls allow you to navigate within the DSP menus, select parameters, and adjust them up or down through the available options.

Exit: Press this to exit from the DSP menus. All settings are left as they are.

Night On/Off: This turns on or off the Night mode, suitable for late night listening.

EQ Presets: These five buttons allow quick selection of EQ presets. These have been carefully designed for optimal performance:

Flat = Sunfire's reference EQ curve. Simplest choice for all content. This is Sunfire's choice to use when you want to experience the subwoofer as Sunfire intended you to.

Music = extended bass for playing records and other music material with content that contains extremely low bass frequency range. Included is an automatic subsonic filter setting for simple use. Provides playback of all frequencies available.

Movie = Perfect setting to extend the bass lower when special effects are present. Creates the experience of a movie theater creating the sounds of dinosaurs stomping, helicopters crashing, planes soaring, explosions, etc.

Impact - Creates bass "punch" which is commonly present in live performances available from streaming content, to CD's and DVD's. Recreates the sonic "dynamic" of musical instruments such as a kick drum or a bass guitar.

Dynamic – Maximizes the sound included in today's games. For Gaming experts to experience the full "impact" of the sound track which enhances the game playing experience.

