

Entra[™] Sub

Owner's Guide



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

WARNING: SHOCK HAZARD – DO NOT OPEN. AVIS: RISQUE DE CHOC ELECTRIQUE – NE PAS OUVRIR. CUIDADO: PELIGRO DE CHOQUE ELÉCTRICO – NO ABRIR.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK) –
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED PERSONNEL.

THIS INFINITY PRODUCT IS DESIGNED FOR 120-VOLT USE ONLY! FOR DETAILED SAFETY PRECAUTIONS, PLEASE SEE FOLLOWING PAGE IN THIS OWNER'S MANUAL FOR "IMPORTANT SAFETY INSTRUCTIONS."



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



L'éclair avec le symbole de la flèche, placé dans les limites d'un triangel équilatéral est prévu pour avertir l'utilisateur de la présence de "tension dangereuse" non isolée dans l'enceinte du produit qui pourrait être d'une importance suffisante pour présenter un risque d'électrocution aux personnes.



Le point d'exclamation dans un triangel équilateral est prévu pour avertir l'utilisateur de la présence d'instructions importantes pour les opérations et l'entretien (service) dans les manuels fournis avec l'appareil.

ATTENTION: POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQUAU FOND.



Este destello luminoso con un símbolo de punta de flecha dentro de un triángulo equilátero tiene el objectivo de alertar al usuario sobre la presencia de "voltaje peligroso" no aislado dentro de la caja del producto que puede ser de magnitud lo suficientemente grande para constituir un riesgo de choque eléctrico para las personas.



Este punto de exclamación dentro de un triángulo equilátero tiene el objectivo de alertar al usuario sobre la existencia de instrucciones operativas y de mantenimiento (servicio) importantes en la literatura que acompaña el aparato.

CUIDADO: PARA REDUCIR EL RIESGO DE CHOQUE ELÉCTRICO, NO RETIRE LA CUBIERTA (O RESPALDO). DENTRO NO HAY PIEZAS A LAS QUE EL USUARIO PUEDE DAR SERVICIO. REMITA EL SERVICIO AL PERSONAL DE SERVICIO CALIFICADO.

IMPORTANT SAFETY PRECAUTIONS

Read First!

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: To prevent electric shock, do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's closure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the rature accompanying the appliance.

- 1. Read Instructions. All the safety and operating instructions should be read before the product is operated.
- 2. Retain Instructions. The safety and operating instructions should be retained for future reference.
- 3. Heed Warnings. All warnings on the product and in the operating instructions should be adhered to.
- 4. Follow Instructions. All operating and use instructions should be followed.
- 5. Cleaning. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 6. Attachments. Do not use attachments not recommended by the product manufacturer, as they may cause hazards.
- 7. Water and Moisture. To reduce the risk of fire or electric shock, do not use this product outdoors or near water-for example, near a bathtub, wash bowl, kitchen sink or laundry tub; in a wet basement; near a swimming pool; or the like.
- **8. Accessories.** Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- Be Moved with Care. Quick stops, excessive force and uneven surfaces may cause the product and cart combination to overturn. 10. Ventilation. Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a

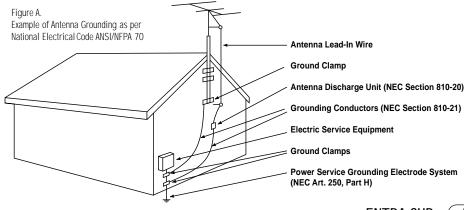
built-in installation, such as a bookcase or rack,

9. A Product and Cart Combination Should

unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

- 11. Power Sources. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- 12. Grounding or Polarization. This product may be equipped with a polarized alternating-current-line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- 13. Power-Cord Protection. Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the
- 14. Nonuse Periods. The power cord of the product should be unplugged from the outlet when left unused for long periods of time.
- 15. Outdoor Antenna Grounding. If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.
- 16. Lightning. For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
- 17. Power Lines. An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be

- taken to keep from touching such power lines or circuits, as contact with them might be fatal.
- 18. Overloading. Do not overload wall outlets, extension cords, or integral convenience receptacles, as this can result in a risk of fire or electric shock.
- 19. Object and Liquid Entry. Never push objects of any kind into this product through openings, as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- 20. Servicing. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 21. Damage Requiring Service. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
- a. The power-supply cord or the plug has been damaged; or
- b. Objects have fallen onto, or liquid has been spilled into, the product; or
- c. The product has been exposed to rain or water; or
- d. The product does not operate normally when following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation; or
- e. The product has been dropped or damaged in any way; or
- f. The product exhibits a distinct change in performance; this indicates a need for service.
- 22. Replacement Parts. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
- 23. Safety Check. Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- 24. Wall or Ceiling Mounting. The product should be mounted to a wall or ceiling only as recommended by the manufacturer
- 25. Heat. The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.



Entra Sub Owner's Guide

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Infinity Entra Series

The Entra series of loudspeakers and powered subwoofers continues Infinity's longstanding commitment to accurate sound reproduction. Our proprietary Ceramic Metal Matrix Diaphragm™ (C.M.M.D.™) drivers, along with precision dividing networks and rigid, well-braced enclosures, deliver uncompromised performance in any stereo or multichannel home theater.

Unpacking the Subwoofer

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

PLACEMENT

Since the installation of a subwoofer can be somewhat more complicated than installing full-range speakers, it is essential that you read this section very carefully prior to connecting the subwoofer to your system. Should you have questions relating to your installation, it is advisable to call either your dealer or Infinity's Customer Service Department for advice.

The performance of the subwoofer is directly related to its placement in the listening room and how you align the subwoofer with its satellite speakers. Setting the volume of the subwoofer in relationship to the left and right speakers is also of critical importance because it is essential that the subwoofer integrate smoothly with the entire system. Setting the subwoofer's volume level too high will result in an overpowering, boomy bass. Setting the volume level too low will negate the benefits of the subwoofer.

Here are several additional facts on installation that may prove useful. It is generally believed by most audio authorities that low frequencies (below 125Hz) are nondirectional and, therefore, placement of a subwoofer within any listening room is not critical. While in theory it is true that the larger wavelengths of extremely low frequencies are basically nondirectional, the fact is that when installing a subwoofer within the limited confines of a room, reflections, standing waves and absorptions generated within the room will strongly influence the performance of any subwoofer system. As a result, specific location of the subwoofer becomes important, and we strongly recommend that you experiment with placement before choosing a final location.

Placement will depend upon your room and the amount and quality of bass required (for example, whether or not your room permits placement of the subwoofer near either satellite). Be sure to leave a minimum of six inches between the wall and the port on the subwoofer.

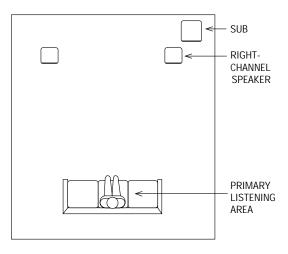
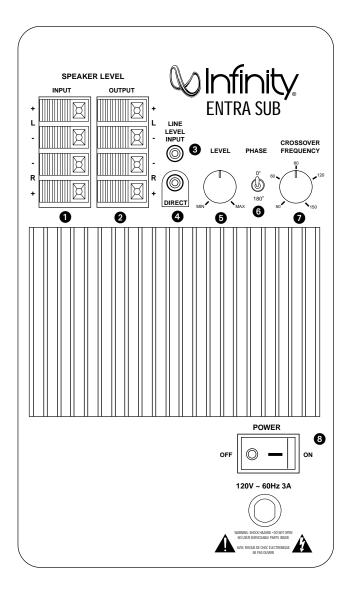


Figure 1. This example shows the subwoofer positioned behind the right-channel satellite speaker to re-create the actual location of bass instruments in an orchestra and/or add impact to movie soundtracks.

CONTROLS AND CONNECTIONS

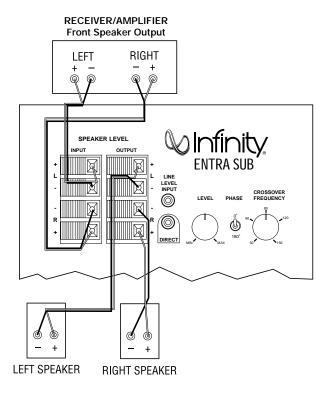
Rear Panel



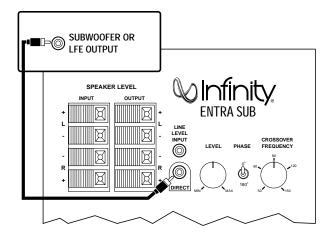
- 1 Speaker-Level Inputs
- 2 Speaker-Level Outputs
- 3 Line-Level Input
- 4 Direct (LFE) Input
- 5 Subwoofer-Level Control
- 6 Phase Switch
- Low-Pass Frequency Adjustment
- 8 Power Switch

System Connections

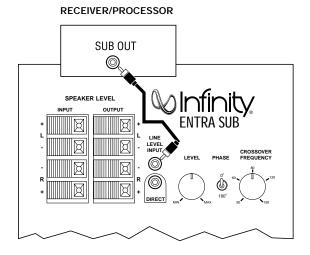
If your receiver/processor does not have subwoofer outputs for the left and right channels or an LFE output:



If you have a Dolby* Digital or DTS® receiver/processor with a low-frequency-effect (LFE) or subwoofer output:



If your receiver/processor does not contain a Dolby Digital or DTS processor but has a subwoofer output:



NOTE: Some receivers have two subwoofer outputs. In that case, it is recommended that you use a Y connector (not included) to maximize performance.

OPERATION

Power On

Plug your subwoofer's AC cord into a wall outlet. Do not use the outlets on the back of the receiver.

Initially set the subwoofer's Level control **5** to the "O" position.

Turn on your sub by pressing the Power button 3 on the rear panel. Turn on your entire audio system and start a CD or movie sound-track at a moderate level.

Important Note: The Entra Sub includes an Auto-On/Auto-Off circuit. During periods of normal use, the power switch should always be left on. It should only be turned off during extended periods of nonoperation: e.g., when you are away on vacation.

Adjust Gain

Turn your subwoofer's Level control **5** up to the "5" position (half way). If no sound emanates from the subwoofer, check the AC-line cord and input cables. Are the connectors on the cables making proper contact? Is the AC plug connected to a "live" receptacle? Has the Power button **3** been pressed to the "On" position? Once you have confirmed that the subwoofer is active, proceed by playing a CD, record or cassette. Use a selection that has ample bass information.

Set the overall volume control of the preamplifier or stereo to a comfortable level. Adjust the subwoofer's Level control **3** until you obtain a pleasing blend of bass. Bass response should not overpower the room but rather be adjusted so there is a harmonious blend across the entire musical range. Many users have a tendency to set the subwoofer volume too loud, adhering to the belief that a subwoofer is there to produce lots of bass. This is not entirely true. A subwoofer is there to enhance bass, extending the response of the entire system so the bass can be felt as well as heard. However, overall balance must be maintained or the music will not sound natural. An experienced listener will set the volume of the subwoofer so its impact on bass response is always there but never obtrusive.

Crossover Adjustments

Note: This control will have no effect if the Direct Input is used. If you have a Dolby Digital or DTS processor/receiver, the Low-Pass Frequency is set by the processor/receiver. Consult your owner's manual to learn how to view or change this setting.

Phase Control

The Phase switch (a) determines whether the subwoofer speaker's piston-like action moves in and out with the main speakers, 0°, or opposite the main speakers, 180°. Proper phase adjustment depends on several variables such as room size, subwoofer placement and listener position. Adjust the phase switch to maximize bass output at the listening position.

MAINTENANCE AND SERVICE

The enclosure may be cleaned using a soft cloth, dampened with water only, to remove fingerprints or to wipe off dust.

The grille may be gently vacuumed. Stains may be removed with an aerosol cleaner, following its instructions. Do not use any solvents on the grille.

All wiring connections should be inspected and cleaned or remade periodically. The frequency of maintenance depends on the metals involved in the connections, atmospheric conditions, and other factors, but once per year is the minimum.

If a problem occurs, make sure that all connections are properly made and clean. If a problem exists in one loudspeaker, reverse the connection wires to the left and right system. If the problem remains in the same speaker, then the fault is with the loudspeaker. If the problem appears in the opposite speaker, the cause is in another component or cable. In the event that your Interlude loudspeaker system ever needs service, contact your local Infinity dealer or Infinity directly at 1-800-553-3332 or www.infinitysystems.com for a service center near you.

SPECIFICATIONS

Entra Sub

Frequency Response: 34Hz – 150Hz (±3dB)

Maximum Amplifier Output: 150 watts RMS (20Hz – 150Hz 500 watts peak

with no more than 0.1% THD)

Crossover Frequencies: 50Hz – 150Hz,

24dB/octave, continuously variable

Driver: 10" C.M.M.D.

Dimensions (H x W x D): 15" x 14-1/2" x 17" (381mm x 368mm x 432mm)

Weight: 47 lb (21.4kg)

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.

NOTES:

