



DELTA

INSTRUCTION MANUAL

Infinity DELTA Series Instruction Manual

Congratulations on choosing Infinity DELTA Series Loudspeakers. The instructions in this manual will help you realize the full potential of your loudspeakers.

UNPACKING

The packing materials of your DELTA Series speakers has been designed to protect the loudspeakers from any damage due to rough handling during shipment. We strongly suggest that you keep the packing material for future purposes, in case you move or if your loudspeakers should require service.

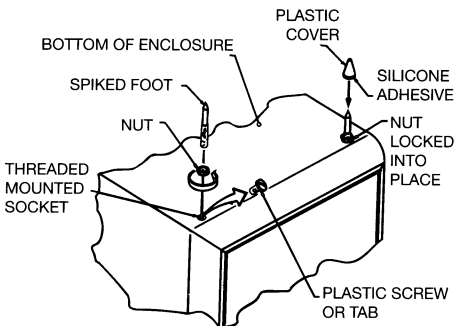
POSITIONING

Proper positioning of the speakers within the listening room is of primary importance in order to achieve the best possible sound. Room reflections, furniture placement, heavy drapes, window reflections and so on can influence sonic quality, balance and the stereo image. It is essential to experiment with different locations to determine which placement offers the best overall balance and imaging. For the best stereo effect, the speakers should be placed at least 2 to 3 meters apart. At times, angling the speakers slightly inward toward the listening position will add to overall spaciousness and deliver a more realistic sound stage. Try to avoid placing the speakers directly against the wall, or in corners of the room because this may sacrifice depth and image and create excessive boominess. If you must place the speakers higher than ear level tilt them downward to direct the tweeters toward your ears. When placing bookshelf speakers on the floor, always use a pedestal, or several heavy books to keep the speakers off the floor, or rug. Placing book-shelf speakers directly on the floor usually creates bass heaviness which may prove to be musically incorrect. Floor standing models do not require an extra pedestal, since these systems have been specifically designed to perform properly resting on a floor, or carpet.

INSTALLATION OF THE SPIKED FEET

All floor standing models come with four (4) spiked feet (tiptoes) to isolate the speaker from floor vibrations. To install the spiked feet follow these directions:

1. Turn the speaker upside down with bottom of the enclosure facing upwards.
2. Remove the four plastic screws (or tabs) from their mounting sockets. Store them in a safe place for future use.
3. Thread a nut onto each spiked foot until the nut reaches the unthreaded section.
4. Screw the spiked feet into the four (4) threaded mounting sockets.
5. Adjust the spiked feet so they all are at the same height, then tighten the nuts to prevent the spiked feet from changing height, or from rocking side to side.
6. If you do not wish the spikes to come into contact an expensive floor, place a plastic cover over each spiked foot, first inserting a small amount of silicone adhesive into the cavity of the plastic cover. Refer to the diagram on the left for complete graphic details.



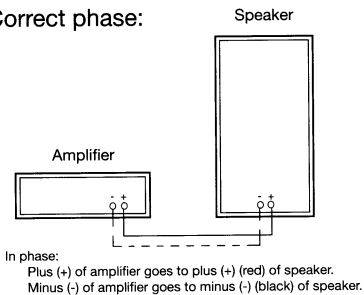
CONNECTIONS

Make sure all equipment is turned off before making connections.

To connect the loudspeaker systems to the receiver or amplifier, use two conductor insulated wire. Your Infinity dealer can recommend suitable cables. We recommend 1,3 mm diameter (16 AWG) as a minimum size. If your speakers are more than 10 mtrs. (30 feet) from your receiver or amplifier, use larger diameter wire. Interconnects are an important component in an audio system. You may wish to audition and compare the performance of some of the specialty audio cables and speaker wire sets available from your dealer.

For each channel, the red terminal on the loudspeaker should be connected to the red or (+) loudspeaker connection terminal on the amplifier (or receiver), and the black terminal on the loudspeaker should be connected to the black or (-) terminal on the amplifier. Connecting the loudspeakers in this manner ensures that they will work in phase; that is, work together rather than in opposition. Connecting the loudspeakers out of phase will not damage them, but will result in less bass and poor imaging. Most two conductor wire is color-coded or has a ridge on one of its insulating jackets, so that you can easily identify which wire is connected to which terminal. When connecting more than one pair of loudspeakers to an amplifier or receiver, consult your dealer or amplifier manufacturer to ensure that the resulting load can be handled safely.

Correct phase:



DANGER: LOW POWER

Generally, loudspeakers can withstand a great deal of power, as long as the signal is undistorted. You can safely use a power amplifier with a power rating greater than a speaker systems recommended power, as long as you don't overdrive the amplifier. When amplifiers are overdriven, they "clip" the signal, creating distortion that appears as high energy high frequency signals. These distortion products are directed to the high frequency transducer by the crossover network, thereby creating a dangerous condition for the smallest driver in the system. The smaller the amplifier you use,

the greater the danger of overdriving the amplifier or receiver, and consequently the greater the potential danger to the high frequency transducer. Further excessive boost by the amplifier or receivers tone controls can aggravate the situation. The advice is always to use an amplifier or receiver that will make your DELTA speakers play reasonably loud, and at the same time sound clean and undistorted.

DELTA Center channel

For surround sound systems, the Infinity DELTA Series includes a dedicated center channel loudspeaker. DELTA Center is magnetically shielded for safe use near the picture tube and should be placed directly on top or beneath the television set. The front edge of DELTA Center should be on a line with the front edge of the television. DELTA Center must be connected in phase to the amplifier/receiver, i.e. plus-to-plus and minus-to-minus, exactly like the left and right front loudspeakers.

CARE OF YOUR SPEAKER SYSTEM

Your Infinity speaker cabinets are covered with a quality vinyl which requires very little maintenance. Dust the enclosures with a damp cloth, or a name brand furniture polish. The grilles may be cleaned by using a vacuum cleaner on the low power setting.

IN CASE OF TROUBLE IN YOUR STEREO SYSTEM

Before consulting your dealer, Infinity service facility or the Infinity distributor in your country, there are tests you can perform to locate and solve possible problems in your speakers. You can use your stereos two channels of information for simple trouble-shooting. If the sound quality is distorted, listen to each speaker separately to check if the fault is present in both.

If it is, then the trouble is likely to be elsewhere in your system. If the fault is in one channel only, reverse the outputs of your amplifier to the speakers. If the distortion moves to the other channel, the fault is not in your speaker.

TROUBLE-SHOOTING THE SPEAKER

If a driver (tweeter, midrange or woofer) in your system is not working, remove the driver from it's enclosure and check to see if the wires are connected firmly on the terminals driver. If the wire has come loose, reconnect it and crimp it so it does not loosen again. If all the connections are correct but the speaker does not work properly, disconnect the driver completely and substitute it with the same driver from the other speaker. If this resolves your difficulty, install the suspected defective driver into the enclosure from which you removed the properly operating driver. If the system does not play, then you know for certain that the driver is defective and has to be replaced.

SERVICE

Should your loudspeaker system ever need service, return it to the Infinity dealer from whom it was purchased. If for some reason this is impractical, contact your local Infinity Distributor.