

Instructions

Unpacking:

Check your speakers carefully. If there is transit damage, contact your dealer immediately. Keep the original packing in case you need it in future.

Associated Components:

Use only high quality associated components. Your Infinity speaker is an accurate reproducer — it will reproduce distortion just as accurately as music. Your amplifier or receiver should have a continuous, FTC, 'rms' power output per channel within the range suggested for your speaker. Do not use an amplifier or receiver with a lower power output than the recommended minimum. Over-driving a low power amplifier results in high frequency distortion which can damage your speaker.

Connecting up:

MAKE SURE THE AMPLIFIER/RECEIVER IS SWITCHED OFF.

Connect each speaker using two-conductor cord, coded for polarity. (Coding may be by color, or by a thin ridge or stripe on the insulation of one conductor.) Ordinary lamp cord is normally sufficient. If the speakers are more than 10 feet or 3 meters from your amplifier, use of 16 gauge cord is recommended. (Finer gauges over long distances will impair the performance.)

Connect each 'channel' of the amplifier separately to its speaker. It is important that the speakers are connected to the amplifier/receiver 'in phase.' Use the polarity-coding to make sure that the '+' (red) terminal of each speaker is connected to its '+' amplifier output (sometimes red-coded, or marked 'hot' or 'live'), and the '-' (black) speaker terminal to its '-' (ground) amplifier output.

Before switching on, check carefully to make sure that stray or frayed strands of wire are not 'shorting' between '+' and '-' either at amplifier or speaker terminals.

Speaker	Use amplifier or receiver of:
Qa	15-150 watts per channel 'rms'
Qb	15-150 watts per channel 'rms'
Quantum Jr.	20-200 watts per channel 'rms'
Quantum 5	30-250 watts per channel 'rms'
Quantum 4	30-250 watts per channel 'rms'
Quantum 3	35-250 watts per channel 'rms'
Quantum 2	45-350 watts per channel 'rms'
Quantum Line Source	100-500 watts per channel 'rms'
Column II	15-250 watts per channel 'rms'
3000, 4000	10-125 watts per channel 'rms'

Bi-amplification (QLS, Q2 only):

The Quantum Line Source and Quantum 2 loudspeakers have connections to allow 'bi-amplification'. (The use of separate amplifiers for the woofer and the midrange/high frequency section, which allows somewhat cleaner reproduction at high sound levels.) Make sure to remove the straps on the binding post when connecting the speakers in this way.

You do not need an electronic crossover when 'bi-amping' the QLS or the Quantum 2. If you are using two stereo amplifiers, connect each so that its two channels are used for one speaker system — one channel for bass and one for the rest of the frequency range. The passive crossovers in the speaker remain in circuit, and provide carefully tailored roll-offs which would be difficult to duplicate with a separate electronic crossover.

Positioning:

For the best stereo image, the speakers should be 7 to 10 feet (2 to 3 meters) apart, and not less than the same distance from the normal listening position.

Set the tweeter and (where fitted) midrange controls to 'flat' (or, where a 'flat' position is not indicated, at mid-position) when experimenting to find the best room/speaker positions for bass tonal balance.

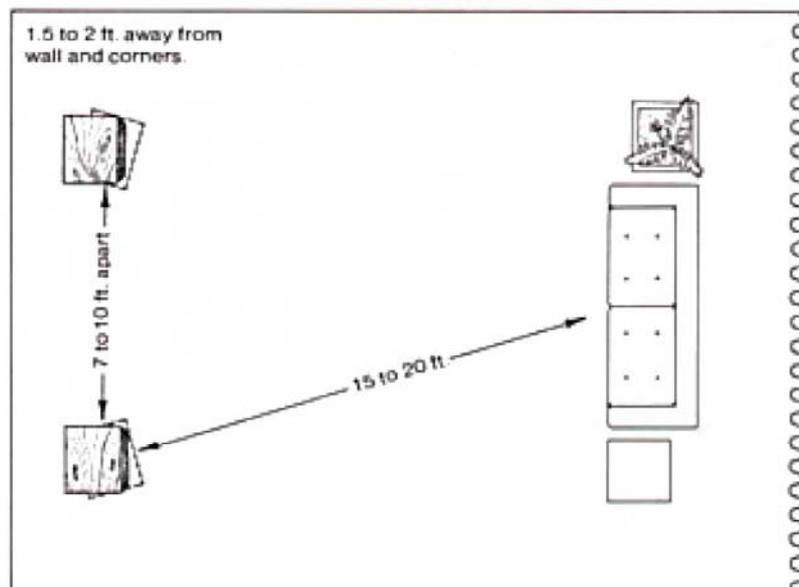
All loudspeakers give the least coloration when placed at least two feet (0.7 meters) away from corners and walls, and (except for floor-standing models) well above the floor. Infinity loudspeakers are designed to give the correct tonal balance when used in this way. Quantum 5, Quantum Jr., Qa and Qb give best results when used on Infinity pedestals, or raised about 12 in/30cm above floor level.

It is worthwhile experimenting with different room positions for speakers and listeners to obtain the best results, because room acoustics vary widely. The position

of your speakers primarily affects tonal balance between bass and lower middle frequencies. For example, if the sound seems bass-heavy, move the speakers further from corners, wall or floor. If the sound seems bass-light, move the speakers closer to one of these room boundaries. Equivalent changes in tonal balance will result from changing your listening position.

Infinity Quantum Line Source speakers have rear tweeters which provide added 'spaciousness' to the reproduced sound with certain source material. There is a switch to enable the rear tweeter to be turned off, if desired.

Infinity Quantum Line Source, Quantum 2 and Quantum 3 speaker systems are made in 'mirror-image' pairs, to provide the most accurate stereo effect. They should be placed with the tweeters innermost.



Except for the QLS, Quantum 2 and Quantum 3, the best stereo image normally results if the speakers are angled inwards slightly

Setting the controls:

The type and amount of furnishing in the listening room affects the tonal balance perceived by the ear particularly between middle and high frequencies. When you have found the best location for your speakers, the tweeter control should be adjusted if the sound seems 'bright' or 'dull'. Generally, rooms with heavy furniture and drapes will require a higher tweeter control setting than lightly furnished rooms. The midrange controls (where fitted) will alter how 'forward' or 'distant' the sound image is. Make adjustments in very small steps, listening to a variety of recorded material. The Quantum Line Source and Quantum 2 feature a variable crossover-point between midrange and high frequency drivers, allowing subtle alteration of the energy output in this band to aid further compensation for the acoustics of the listening environment.

Feedback:

If, after taking care with positioning your loudspeakers, the bass response is 'boomy' and lacking in 'tightness', or if you hear rumble when playing records, then the cause may be acoustic feedback — which means that vibrations from the loudspeakers are reaching your turntable. The extended low-frequency response of Infinity loudspeakers means that particular care may be necessary to isolate the turntable from these vibrations. In general, always make sure that the turntable is placed on a heavy, solid support, as far away as possible from the loudspeakers. Some turntable/tone-arm/cartridge combinations are much more prone to feedback than others, and if you continue to experience difficulty, you should consult your dealer for assistance.

Fuses:

Fuses are fitted to some Infinity speaker systems, to protect them from damage due to electrical overload. **USE ONLY THE SAME TYPE OF FUSE** in replacement, or the warranty is void.

Trouble-shooting:

Note that you can use your stereo system's two channels for simple trouble-shooting. If the sound quality is distorted, listen to each speaker to check if the fault is present in both. If it is, the trouble is likely to be elsewhere in your system. If the fault is in one channel only, reverse the outputs from your amplifier to the speakers, right-to-left and left-to-right. If the distortion moves to the other channel, the fault is not in the speaker. (This technique may also be used to locate a fault between the amplifier/receiver and the signal source.)

In case of trouble:

If your speakers are not working satisfactorily, contact your dealer or the national distributor for Infinity products, who will advise you on the quickest way to have them checked over and repaired. If in difficulty, contact the factory for the name of your nearest authorized service station. Service under the terms of the warranty is available from any authorized service station, irrespective of where the product was first purchased.

Infinity strives always to update and improve existing products, as well as to create new ones. So the specifications in this Infinity publication and others are subject to change without notice.