

REALISTIC[®]

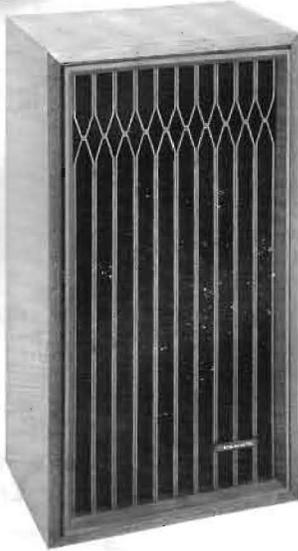
Specifications and Instructions

NOVA[®]-4 BASS-REFLEX SPEAKER SYSTEM

CAT. NO. 40-4031

SPECIFICATIONS

- Frequency Response: 60–20,000 Hz
Power Handling Capacity: 50 watts
Efficiency: 1 watt input produces 89dB SPL at 1 m (on axis)
Impedance: 8 ohms
Speaker Complement: 8" (20 cm) high-compliance woofer, 2½" (6.4 cm) wide dispersion tweeter
Enclosure: Tuned cabinet for extended bass response
Lattice-work grille
Dimensions: 19" x 10-3/4" x 7-1/2" (HWD)
48 x 27 x 19 cm (HWD)
Shipping Weight: 14 lbs. (6 kg)



The NOVA-4 is a two-way, bass reflex speaker system, which means it achieves excellent low-end response along with good efficiency. Bass reflex designs yield greater efficiency and lower harmonic distortion when compared to acoustic-suspension systems. 2½" wide dispersion tweeter gives higher sound pressure levels per watt, which means you can use lower powered receivers or have greater head-room with your existing high power amplifier. (More head-room means that you're less likely to run into clipping with your amplifier . . . and clipping means distortion.)

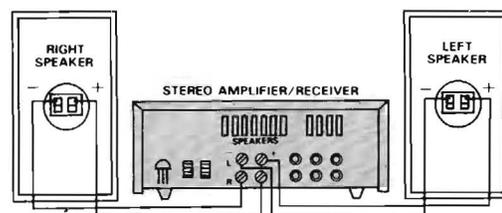
CONNECTIONS Two terminals are provided on the rear of the speaker system for connection to your amplifier. Use speaker wire or ordinary 18-gauge SP-T lamp cord ("zip cord") for distances between amplifier and speaker of 50 feet (15 m) or less. Over 50 feet (15 m) use, heavier 16-gauge wire. In multi-speaker monophonic installations and stereo systems, where phasing is important, use a color coded wire (one with a marker yarn or some means of distinguishing one wire from the other). SP-T lamp cord usually has one wire identified by a thin outside ridge molded into the plastic insulation.

PHASING Your NOVA-4 has one terminal marked "+" and another marked "-" on the back. Be sure to connect your Speakers to the appropriate Amplifier/Receiver terminals as shown in the illustration. This is essential for proper phasing, which gives the best sound. If you're not sure about phasing, try this: (1) connect your system for stereo; (2) place Speakers about one foot (30 cm) apart and facing each other; (3) tune to a spot on the FM dial where there is no station. Reversing the wires to one of the Speakers will produce a "fuller" broader sound which is immediately noticeable. The correct connection is the one producing the "fuller" sound.

SPEAKER PLACEMENT The position of the speaker with respect to the walls and floor, has an effect on its bass response. A speaker positioned away from the walls and floor, such as on a table in the middle of a room, will give good overall response. Placing the speaker on a shelf or table, against a wall, increases the bass slightly. A corner location, close to the floor or ceiling, gives maximum bass response. Sometimes an appreciable difference in overall sound can be heard when the speaker is changed from one location in the room to another, as a result of differing reflections from various exposed surfaces in the room. A little experimenting will soon yield the best position compatible with appearance.

STEREO SYSTEMS For stereo, the above *speaker placement* principles still apply to the individual speakers. However, stereo considerations may require some departure from optimum monophonic placement. As a general rule, distance between speakers should be approximately 2/3 of the distance between speakers and the main listening area. However, in practice the actual distance between speakers may vary widely. The speakers may be faced straight forward or angled in slightly, depending on room acoustics and stereo effect wanted. A little experimenting will soon reveal the ideal stereo set-up.

CARE OF THE FINISH The enclosure is made of fine furniture grade particle board and veneers. Treat it as you would any fine piece of furniture. Don't place equipment on top of the enclosure, as this may mar the finish.



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