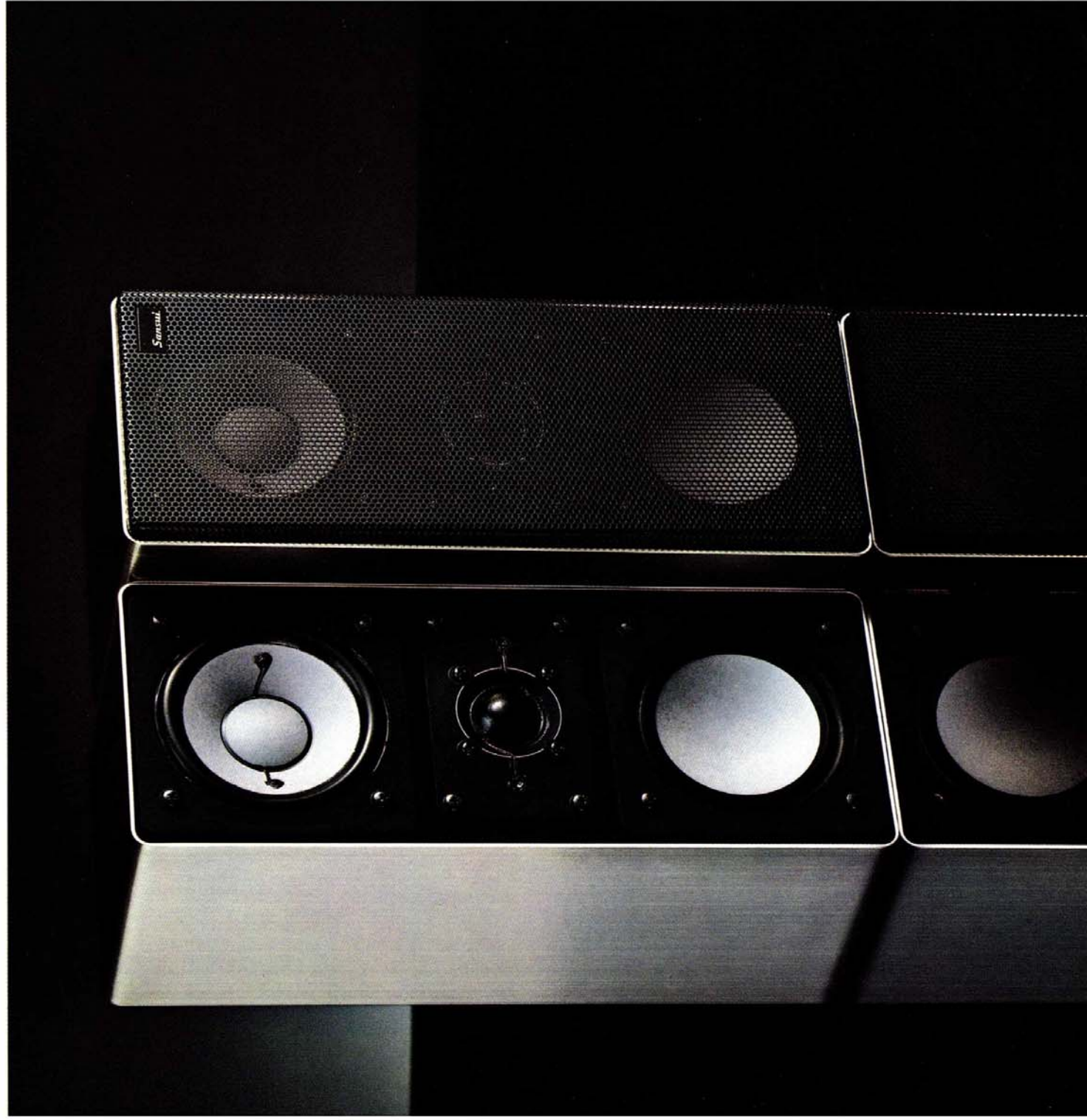


J11

Sansui Wide-Range Two-Way "Mini" Speaker System with Unique Passive Radiator in Solid Aluminum Enclosure



Only hi-fi, everything hi-fi.



J11: World's First "Mini" Speaker with Passive Radiator for Double-Rich Bass

Sansui has solved a big problem in little speakers. We custom-designed a passive radiator unit for the miniature 2-way, 2-speaker J11 system. It effectively restores the realistic rich bass sound which most other "minis" forfeit for their small size.

Double-rich bass isn't the only advantage in the J11. Nor is its small size—no taller than a wine bottle or much wider than a paperback book—the feature you'll appreciate most. Where Sansui audio technology really shows up best is in the distinct sound-image reproduction from this unique system—strictly hi-fi in every respect.

The surprising depth of the bass is complemented by natural-sounding midrange and crisp highs for tonal balance. Beaming in the high frequencies is no problem since the newly-designed dome tweeter disperses its sound waves uniformly over a wide arc. The special design of the *solid* aluminum enclosure also adds to the big-hearted authority of this modestly-sized "mini" from Sansui, where it's *all* hi-fi.

Why a Passive Radiator in a Miniature Speaker System?

Consider the engineering problem of making a "mini" speaker system sound bigger than it is. Sansui engineers pondered the problem—and came up with a beautiful solution: the passive radiator.



As its name implies, this is a passive diaphragm unit with no electronic or magnetic circuitry. But its cone is tuned in such



LIFE SIZE

a way that it reinforces the low-frequency output of the active woofer through "sympathetic resonance," much in the same way the drone strings on a sitar or other types of musical instruments reinforce the plucked strings.

The passive radiator in the Sansui J11 affords the system with a natural and flat response down to the deepest lows, so deep you can close your eyes and believe you're hearing a much larger speaker system in action.

very special cone paper by mixing two different types of acerose pulps to achieve lightness, firmness and strength. The woofer cone, 10cm in diameter, weighs only 0.6 grams, yet can respond faithfully to amp inputs over a wide frequency range.

Linearity in the woofer is further improved with the use of a separate, resin-formed surround. Distortion, particularly in the second harmonics, is never noticeable, even during high-level reproduction, since the large magnet offers a huge 9,000-gauss field, uniformly distributed by the precision-machined pole piece. The voice coil bobbin is highly heat resistant for constant performance, another assurance of excellent performance in all practical audio situations.

Soft-Dome Tweeter has Polyester-Based Cloth Diaphragm, Large Magnet

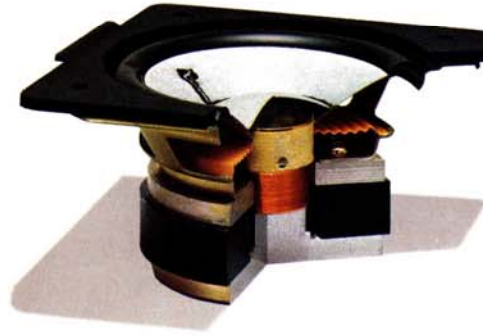
What are the three major benefits of the soft-dome design in tweeters? One, wide dispersion without "beaming." Two, low resonance to avoid distortion. Three, crispness and musicality in the high frequencies. These add up to explain the popularity of soft domes, especially in "mini" systems. But we've added a fourth important benefit in ours, a better signal-to-noise ratio, by forming the one-piece diaphragm/rolled surround of responsive but firm polyester-based cloth, damped by an acrylic-based agent; this construction avoids the use of chemical agents in binding the cone to the surround, and thus prevents tonal degradation.

To achieve transparent highs extending well into the supersonics, we've given this remarkable tweeter a powerful 9,000-gauss magnetic flux, combatting phase irregularities by mounting an acoustic equalizer behind the diaphragm.



Light and Firm Diaphragm for Tight Bass from 10cm Woofer

It follows that if the passive radiator is to deliver authentic sound reinforcement from the woofer, the woofer itself must be of the highest performance standards. Here we've developed



Solid Aluminum Enclosure and Punched Metal Grille Add Good Looks

The silver-finished aluminum enclosure of the Sansui J11 looks like, and is, the product of precision craftsmanship. The tough hairline texture adds a modern touch and is corrosion-resistant for use over the years. Inside the enclosure are special damping fabrics to end unwanted resonance for clear, un-boxy reproduction, even at high level driving. The front is highlighted by a precision-punched metal grille (removable) while the back features a hole/hook device to make wall mounting easy and safe.

Sansui's J11 Mini: The Paperback Book-Sized Sound System



Pinpoint Stereo Imaging and Accurate Localization

Here's another advantage you'll seldom find in "minis"—the fact that you can stand a couple of meters away from a properly-positioned pair of J11 systems and be able to point your finger at the spot where a given instrument or vocalist is "located" in the stereo field.

Smaller Than A Breadbox— Sounds Better, Too

Overall dimensions of the Sansui J11, in centimeters, are: 12.2 wide, 30.0 high, 13.15 deep. Not only smaller than the proverbial breadbox but smaller than most loaves of bread, too. Because the J11 is engineered for strictly hi-fi performance, the convenience offered by its small size permits you to create a spacious stereo sound environment in the most limited spaces—small living room, bedroom, kitchen. You'll find it easy to pack a pair of the J11s along on an "on-location" recording session and use them as you would full-sized studio monitor speakers, too.

Specifications

SPEAKERS	100mm (4") cone type
WOOFER	25.4mm (1") dome type
TWEETER	100mm (4") concave type
PASSIVE RADIATOR	60 watts (80 to 20,000Hz)
MAXIMUM INPUT POWER	5 ohms
IMPEDANCE	85dB/W (JIS at 1m)
SENSITIVITY	45 to 20,000Hz
FREQUENCY RANGE	2-way, 12dB/oct., L-C parallel type
CROSSOVER NETWORKS	2,500Hz
CROSSOVER FREQUENCY	122mm (4 $\frac{1}{16}$ ") W
DIMENSIONS	300mm (11 $\frac{3}{8}$ ") H
	131.5mm (5 $\frac{1}{8}$ ") D
	2.9kg (6.4 lbs.) Net
WEIGHT	6.5kg (14.3 lbs.) Packed (twin-packed)

• Design and specifications subject to change without notice for improvements.



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Even the Crossover Network Is Musical

We've invested the time and care to ensure the crossover network in this special system lives up to the high quality of the speaker units and the passive radiator. After meticulously comparing various prototypes, we settled on a network using quality bi-polar electrolytic and metallized film type capacitors and other reliable parts.

Packed by the Pair in a Functional Carton

Don't toss the packing box away—it's made of tough materials reinforced to be serviceable over a long period of time. Inside each are two J11 speaker systems in a matched stereo pair. When they're removed, use the carton as a convenient tote box or storage container for LP recordings.

