



S-100

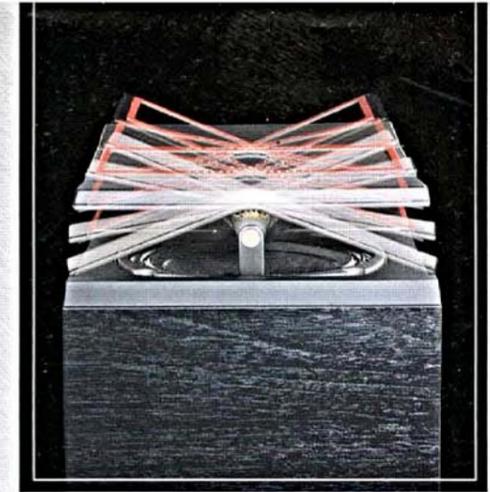
Sound Field Speaker System

S-10

Surround Sound Speaker System



S-100 Sound Field Speaker System — combining high power and versatile applications.



S-10 Surround Sound Speaker System — a simple way to upgrade to surround video

The S-10 speaker system lets you plunge easily into the exciting world of surround sound, putting you in the center of a whirlpool of exciting sound. Like the S-100, it has a sound reflector that lets you adjust the sound to suit the size and acoustics of your room. Just add the pair (and a Sansui surround processor) to your audio/video system, and you're ready to enter the world of sheer realism.

Compact full-range design

An 11cm (4-3/8") full-range cone speaker unit covers the 85Hz to 14kHz range to reproduce the surround sound contained in new video tapes and discs. Because the S-10 is compact and comes with mounting hardware, it can even be hung from the wall if necessary.

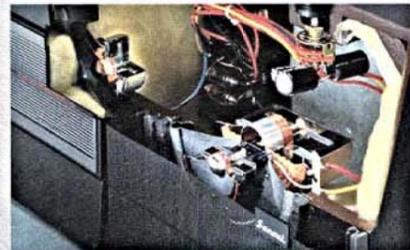
Sound reflector to optimize ambience

The S-10 comes with a front-mounted sound reflection panel that can be tilted and adjusted, so that sounds will be directed toward the listening area or away to give you optimum ambience.

The S-100 is not only a novel idea, it's a versatile one. Use it like any other speaker: it handles a high power input of 180 watts (peak). Or use it as an "AV" speaker beside your TV or monitor to add excitement to video viewing: it's magnetically shielded so it won't disturb picture tube color. You can also use the S-100 as a surround sound speaker for video programs: it has an extra speaker unit whose output can be deflected for the best surround effect. Whatever use you put the S-100 to, our innovative speaker system creates a full, lifelike sound field, and puts you right in the middle of it.

Basic configuration

The S-100 comprises one 154mm (6-1/16") cone woofer and two cone tweeters, 50mm (1-15/16") and 75mm (2-15/16"), respectively. One tweeter is mounted coaxially with the woofer, and the other is separate and has an adjustable reflector to deflect and disperse the sound it generates. A switch is provided to choose between normal use and surround sound, making the S-100 extremely versatile.

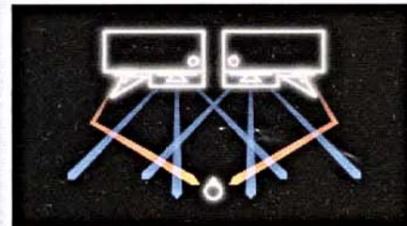


Made for high power and quality sound

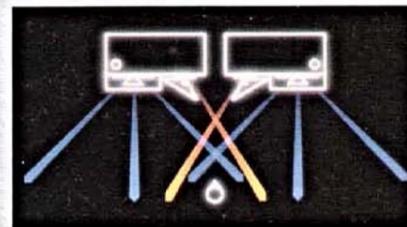
The woofer has magnets that offer a high combined magnetic flux of 11,000 gauss. An aluminum voice coil is used to improve efficiency and transient response. The voice-coil bobbin is made of glass cloth coated with polyimide to resist high temperatures. The spider uses "metha-linked" aramid fiber impregnated with phenol to improve linearity and expand the travel range. The surround is made of a separate high-polymer material for improved linearity. And the cone is "wet-pressed" for strength and light weight. It all adds up to high power (180 watts peak) and quality sound—especially from digital programs.

Three-way application

■ For hi-fi sound
You can use the S-100 just like any high-power speaker system. The woofer reproduces frequencies up to 4kHz, while attenuating those beyond that frequency with a sharp 18dB/oct. curve. The coaxially mounted tweeter is responsible for frequencies of 5kHz and beyond, while the separate tweeter handles frequencies of 10kHz and up. Therefore, important musical frequencies are handled by the coaxially mounted units, so stereo imaging is razor-sharp. And high frequencies beyond 10kHz can be deflected by the sound reflector, to give you total control over ambience or presence, whatever the room size or decor.



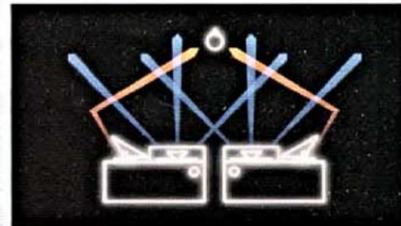
A setup for full-spread hi-fi sound



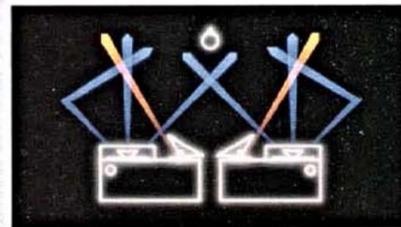
A setup for treble-rich, well-defined sound



■ For video sound reproduction
In integrated AV systems where the separate speakers are placed in close proximity to the TV, speaker magnetism can adversely affect colors on the screen. With the S-100, however, stray magnetism is fully contained, so you can place our speakers next to your TV or monitor to enjoy realistic video sound.



A setting for simulating the acoustics you'd have sitting in a seat at the rear of a moviehouse.



A setting that combines comfortable presence and better definition.

■ For surround sound

When set for surround sound, the S-100 routes frequencies up to 4kHz to the woofer (which cuts the sound beyond that frequency with a mild 6dB/oct. curve), frequencies from 10kHz and up to the coaxially mounted tweeter, and frequencies over 4kHz to the reflector-equipped separate tweeter. By deflecting midrange as well as high frequencies by the reflector, you can recreate the ambience of a movie-theater. Moreover, since the vocal frequencies of 800Hz to 1kHz are given emphasis, dialogue will be heard more clearly.

Quality parts for quality sound

We've used choice parts for high-quality sound. For instance, the network features inductors using OFC (Oxygen-Free Copper) wire for coils, and high-temperature film capacitors. The enclosure combines good sonority and high rigidity to provide better sound.

There's more variety

The number of ways you can use the S-100 is almost limitless. Using two each for both front and surround gives you total control over the 3-dimensional sound field. Or, you can stack a number of them to dramatically boost dynamics.



SPECIFICATIONS

	S-100		S-10
TYPE	3-way bass-reflex system	TYPE	Full-range speaker system
SPEAKERS		SPEAKER	110mm (4-3/8") cone
WOOFER	154mm (6-1/16") cone	MAXIMUM PEAK INPUT POWER	50 watts
TWEETER (COAXIAL)	50mm (2") cone	MAXIMUM INPUT POWER	30 watts
TWEETER	75mm (3") cone	IMPEDANCE	8 ohms
MAXIMUM PEAK INPUT POWER	180 watts	SENSITIVITY	90dB/W at 1m
MAXIMUM INPUT POWER	120 watts	FREQUENCY RANGE	85 to 14,000Hz
IMPEDANCE	8 ohms	DIMENSIONS W	140mm (5-1/2")
SENSITIVITY	90dB/W at 1m	H	230mm (9-1/16")
FREQUENCY RANGE	50 to 30,000Hz	D	136mm (5-3/8")
CROSSOVER FREQUENCIES		WEIGHT	
(NORMAL)	5,000Hz, 10,000Hz	(NET)	2.0kg (4.4 lbs.)
(SURROUND)	4,000Hz, 10,000Hz	(TWIN PACKED)	4.7kg (10.4 lbs.)
DIMENSIONS W	371mm (14-5/8")	FINISH	Brilliant simulated black walnut grain
H	230mm (9-1/16")		
D	183mm (7-3/16")		
WEIGHT			
(NET)	4.7kg (10.4 lbs.)		
(TWIN PACKED)	10.4kg (22.9 lbs.)		
FINISH	Brilliant simulated black walnut grain		

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

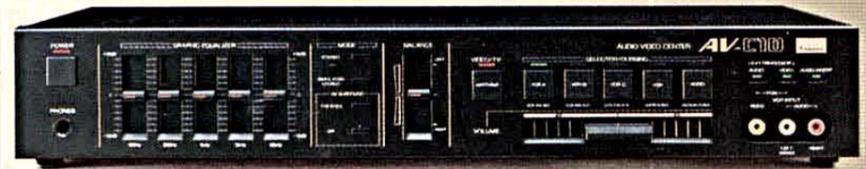
Equipment for Exciting Surround Sound

CINEMA SURROUND



DS-77 Audio/Video Surround Processor

- Surround sound with CINEMA, QS SURROUND and STEREO HALL.
- Simulated stereo for mono programs.
- Super bass synthesizer. •Peak attacker.
- Stereo amplifier with 10 watts per channel for front channel or surround (switchable).



AV-C10 Audio/Video Control Center

- Surround sound with THEATER, QS SURROUND and SIMULATED STEREO. •Connections for 3 VCRs, 1 videodisc player and 1 audio source, with dubbing. •Stereo amp with 15 watts per channel. •5-band graphic equalizer. •Video output for monitor/TV. •Audio insert. •Audio/video processor loops. •RF converter.



S-XV1000 Audio/Video Control Center

- Surround sound with THEATER, QS SURROUND and MULTI-DIMENSION. •Connections for 3 VCRs with dubbing. •DC-servo amp with 80 watts per channel for front; a second amp with 8 watts per channel for surround. •Joystick color corrector. •Random presets for 16 FM and AM stations. •Audio/video fader. •Super bass synthesizer.



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