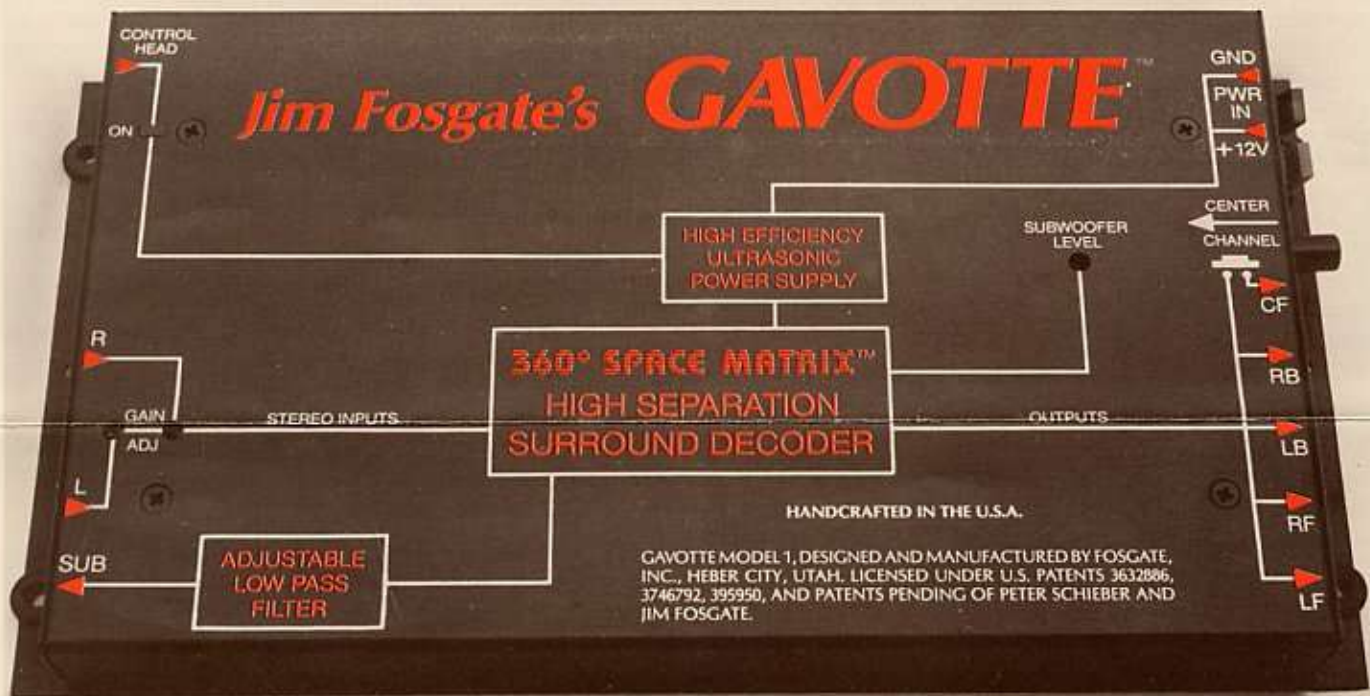


# 360° SPACE MATRIX™

## HIGH SEPARATION AUTOSURROUND™ DECODER



### Distinct, 360° sound in your car!

Component autosound has become as sophisticated as the most advanced home audio systems. Now you can enjoy 360° surround sound in your car just as in the most advanced home audio/video systems. Jim Fosgate, the man who launched autosound with the original Fosgate Punch, has revolutionized home surround with the exclusive 360° Space Matrix. Jim Fosgate's GAVOTTE™ is the first AutoSurround decoder and like his surround decoders for the home, employs the 360° Space Matrix.

Most autosound systems have existing stereo speaker systems front and rear. Simply add the GAVOTTE 360° Space Matrix decoder, an additional power amplifier and enjoy a mind boggling 360° sound field in your car.

### The GAVOTTE is three dimensional

The 360° Space Matrix, developed by Jim Fosgate and Peter Scheiber, conquers the last sonic frontier—acoustic space—and creates a truly three dimensional soundfield with width and depth. Best of all, the GAVOTTE is compatible with all two-channel sources including compact digital discs, stereo cassettes, and stereo FM.

### Experience live sound today

Jim Fosgate's GAVOTTE is the biggest breakthrough in music reproduction since sound graduated from monaural to stereo. You have been hearing music all your life—now experience it. Classical, rock, jazz, country—any musical taste—becomes an event with the GAVOTTE. Jim Fosgate's expertise in advanced surround decoder design is manifested in the GAVOTTE.

Install a GAVOTTE in your autosound system and prepare yourself for the ultimate sonic trip. Be forewarned! After experiencing the GAVOTTE in your car, you'll never again be satisfied with your conventional home stereo system. Fortunately, we at Fosgate can provide a solution for you when that inevitable problem arises.

**EXTRAORDINARY DEPTH AND DEMENSION FROM ANY STEREO SOURCE**



### Design Features and Benefits

**Incorporates exclusive 360° Space Matrix**—recreates three-dimensional acoustic space with surround-encoded and regular stereo program sources.

**Separate Sub-Woofer Output**—allows addition of "super-woofer" to system. Rolloff can be selected from at 85Hz, 100Hz, 125Hz, 150Hz or 185Hz—adding foundation and authority to system performance.

**Center Front Channel Output**—user-selectable by switch on GAVOTTE at time of installation—a smaller speaker can be located in center front area of the automobile—dramatically improves localization of center mixed dialog, vocals and instruments—Stereo imaging is improved for all passenger locations.

**High-Separation**—allows each loudspeaker to create a portion of soundfield with minimum interchannel crosstalk—all speakers together create a wide and coherent, panoramic sound field. Ambient information that is hidden during conventional stereo playback is recovered and placed in back channels.

**Trunk Mounted**—only one control, Surround Level, is placed in car interior. Electronics package is trunk mounted. Existing system controls level and balance.

**True Audiophile Quality**—only the most advanced J-FET integrated circuits, designed especially for high-performance audio applications are used in the GAVOTTE. Wideband frequency response—super low noise—fully regulated and isolated power supply assures the GAVOTTE is the most sonically transparent electronics within the system.

**Rugged**—mechanical packaging reduces vibration. Military grade glass epoxy circuit board is used instead of cheap, fragile phenolic circuit boards used in imported auto sound equipment. GAVOTTE will perform reliably under the toughest use conditions.

**Foolproof**—easy to install—simple to adjust pre-set controls—full electronic protection—Each GAVOTTE is supplied with comprehensive instructions which not only provide installation details, but helpful hints to assist owner in optimizing the performance of an automotive surround sound system.

### SPECIFICATIONS

**Frequency Response:** 1Hz to 35kHz  $\pm$  1dB.

**Harmonic and TIM Distortion:** Less than 0.05% front Channels; less than 0.15% Rear Channels @ 1/2 volt output.

**Signal to Noise:** Typically 100dB down on Front Channels; 90dB down on Rear Channels.

**Power Supply:** +12 volts D.C. 1/2 ampere input to internal Ultrasonic Switching Power supply that is completely shielded and isolated from main 12 volt system supply and system ground.

**Channel Separation:** 35db Fronts to Back; Back to Fronts; Side to Side.

**Mechanicals:** 5 1/4" x 10" x 1 1/4"; anodized aluminum chassis; glass epoxy circuit board with RCA-type signal input/output jacks. Shipping weight 2 1/2 lbs.

**Controls:** Surround Level Control connected to electronics package via cable with DIN connector; Center Channel Output Switch;  $\pm$ 12 VDC input via pressure-loaded color-coded terminals.

**Indicator:** LED indicator verifying operational status of system.

**Operational Limits:** -40 Degree C. to 120 Degree C. Suitable for use in automotive, marine and aircraft applications.

**Warranty:** One Year, Parts and Labor.

GAVOTTE is pronounced 'Ga-vot'.

GAVOTTE, AutoSurround and Jim Fosgate's GAVOTTE are trademarks of Fosgate, Inc. Heber, Utah, USA.

360° Space Matrix is a trademark of Peter Scheiber and Audiodata Co.

Fosgate, Inc. of Heber, Utah is not associated with Rockford-Fosgate of Phoenix, Arizona.

### What the Experts Say about Fosgate/Scheiber Decoder/Processors

1977 Len Feldman, Rolling Stone Magazine

-Early experimental Scheiber SQ Decoder -

... "There was no audible distortion: Separation was absolute and complete (you could even stand outside the area of the four loudspeakers and still distinguish easily among the sounds coming from the different speakers). Nor was there any sense of 'pumping' or 'breathing' so common to earlier full-logic decoders." ...

1978 Audio Magazine

-The Scheiber 360° Spatial Decoder-

... "If you want the very best... one thing's for sure. It will never be your weakest link." ...

1979 Stereo Review

-The Scheiber 360° Spatial Decoder-

... "I have heard Peter Scheiber's 'Spatial Decoder' produce simulated-quad wonders with normal stereo-fm broadcasts (besides its superb performance with matrix-quad discs and broadcasts)." ...

1980 The Absolute Sound

-The Scheiber 360° Spatial Decoder-

... "A quite wonderful little box that adds little coloration of its' own to the signal, while decoding for four speakers in enough ways to keep even the most restless arrested... This is a masterpiece of engineering practice and construction." ...

1981 Evolution Magazine

-The Fosgate Model 101-A Decoder/Processor-

... "Audiophile recordings sounded open and the walls of the listening area seemed to vanish completely. Instrumentation could be placed all around you without any listener fatigue occurring even after prolonged periods of time. Classical music became a total sonic emersion." ...

1982 Harry Maynard, MCS Review Magazine

-The Fosgate Model 101-A Decoder/Processor-

... "The 101-A is the most versatile, sophisticated high quality surround system I've yet encountered. The 'you are there' quality is tremendous, often better than being there." ...

1983 Julian D. Hirsch, Stereo Review Magazine

-The Fosgate Model 101-A Decoder/Processor-

... "The 101-A is built on a single large circuit board, and its components and workmanship are of a quality rarely found in consumer products... first as an SQ Decoder, the Fosgate 101-A was far and away the best we have used... we were even more impressed, however, by what we heard from ordinary two-channel stereo programs... a visceral experience that was impressive and unforgettable... this is a fascinating, highly effective product that lives up to the claims made for it in full measure." ...

1984 Video Movies Magazine

-The Fosgate 101-A Decoder/Processor-

... "By far the most sophisticated decoder I have had an opportunity to listen to... the first thing that impressed me when I heard the system was a real excitement that the all-enveloping sound added to the action on-screen... incredibly, with the more lifelike, 'big' sound now produced by the system, the size of the picture on the 19 inch monitor actually seemed to be much larger than I knew it to be." ...

1985 Rolling Stone Magazine

-The Fosgate/Scheiber Model 3601 Decoder/Processor-

... "The system closest to the professional movie-theater decoders is the Fosgate Model 3601... It includes sophisticated logic circuitry and adds an optional front-center channel derived from the stereo signal. In addition to its surround-sound functions, the Fosgate has a number of settings for use with mono or other non-Dolby surround material. If you like knobs and switches, this is the model for you; it allows manual control of virtually every audio function, making it ideal for audiophiles." ...

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