



For additional information

Donna L. Jackson  
FOSGATE ELECTRONICS, INC.  
2923 N. 33rd Avenue  
Phoenix, AZ 85017  
(602) 269-2641

June 3, 1979

#### FOSGATE'S REPEAT PERFORMANCE!!

CHICAGO - Fosgate Electronics, Inc. has repeated the past two years performance in the Consumer Electronics field. TETRA I, an auto sound unit, utilizing the TETRASOUND™ concept, has been selected by the CES Show Design and Engineering Exhibition as being one of "the most innovative consumer electronics products for 1979".

TETRA I, an elegant pre-amp equalizer incorporates the "Tate" D.E.S. Decoder™, and utilizes a unique, efficient, pulse width modulated power supply.

The poweramp is available in either a 200 or 400 series module that provides 50 watts RMS per channel or 100 watts RMS per channel. TETRA I has less than .05% THD plus an incredible 35db separation between channels.

One of the most revolutionary capabilities of TETRASOUND™ is its ability to take a two channel stereo signal and convert it into an all encompassing 360° spherical sound field.

TETRA I, for the car and TETRA II, for the home, represent Fosgate Electronics planned expansion of their present product line. Fosgate foresees continued introduction of innovative state of the art products into the 1980 hi fidelity market.

# TETRA I



# FOSGATE



# The incredible 360° spatial sound for your car, truck or van.

Featuring TETRASOUND™, the world's best multi-channel sound system.

TETRA I converts your standard car stereo radio or tape player into four separate channels to produce a 360° spatial sound field around the listener. The TATE Decoder incorporated in the TETRA I analyzes the input signal to determine the intended direction of the various musical events and incorporates state-of-the-art circuitry to provide faithful signal directionality between 35db to 50db channel separation.

There is no added hiss. No crosstalk. No recycling. No artificial reverb. No shifts in total power. No gain riding. No variable blend.

It's the most incredible sound you've ever heard. Available in the 200 Series with a 200 watt amplifier as standard equipment, or in the 400 Series with a pair of 200 watt bi-amplified power amplifiers, for a total of 400 watts RMS.

## DECODER SPECIFICATIONS

Decoder Type	Tate Directional Enhancement System utilizing advanced cancellation techniques and incorporating an Automatic Dimension Control Circuit which provides maximum theoretical separation at any musical instant, and an exclusive Phase Corrector and Base Combination Circuit
Separation	Greater than 35 DB between all channels
Distortion	Less than .08% THD typically, .15% max 20 HZ to 20 KHZ @ .5 volt RMS
Maximum Output	2.25 volts RMS
Noise	-80 DB from full level
Volume Control Tracking	±.5 DB over full 80 DB range

## Controls

Stereo Panorama/SQ Decode Mode Switch  
Left and Right Input Balance Indicators  
Front Left/Right Balance Slide  
Rear Left/Right Balance Slide  
Front/Back Fader  
Low, Mid and High Range Variable Equalizer Slides  
Dimension Control  
LED Peak Reading Display  
ON/OFF Switch  
Tape/Radio Input Selector  
On/Off Pilot Light  
Master Volume Slide  
Input Level Trimmer Pots

## POWERAMP SPECIFICATIONS

Frequency Response	20 HZ to 20 KHZ ± .25 DB
Power Output (4 ohm load)	200 watts RMS total, 50 per channel, 20 HZ to 20 KHZ with less than .05% THD
Power Output (8 ohm load)	100 watts RMS total, 25 per channel, 20 HZ to 20 KHZ with less than .03% THD
Slew Rate	60 volt per microsecond IC in the power stage for low T.I.M. distortion
Damping Factor	Over 1,000—virtually immeasurable
Sensitivity	.5 volts RMS input for full power output
Input Impedance	20,000 ohms
Noise	-80 DB down from full power
Input Power	37 amps at +14.5 D.C. for full power output; 1.75 amps at idle
Distortion	Less than .05% THD at 50 watts output, 4 ohm load

## PREAMP SPECIFICATIONS

Frequency Response	20 HZ to 20 KHZ ± .25 DB
Distortion	Less than .02% THD, 20 HZ to 20 KHZ at 5 volts RMS output
Maximum Output	10 volts RMS
Noise	-90 DB from full level
Input Impedance	20,000 ohms
Slew Rate	60 volts per microsecond IC in the voltage gain stage for low T.I.M. distortion
Gain	+20 DB (equalizer controls flat)
Equalizer	+18 DB max boost at 45 HZ -8 DB max cut at 175 HZ +12 DB max boost at 20 KHZ



**FOSGATE ELECTRONICS**

2923 North 33rd Avenue, Phoenix, AZ 85017

# TETRA II



# FOSGATE



# The incredible 360° spatial sound for your home.

Featuring TETRASOUND™, the world's best multi-channel sound system.

TETRA II converts your ordinary 2-channel stereo, SQ\* and CD4\* program material into four separate channels to produce a 360° spatial sound field around the listener. The heart of the unit is the TATE Decoder™ which analyzes the input signal to determine the intended direction of the various musical events and incorporates state-of-the-art circuitry to provide faithful signal directionality with at least 35db separation.

There is no added hiss. No crosstalk. No recycling. No artificial reverb. No shifts in total power. No gain riding. No variable blend.

It's the most incredible sound you have ever heard. One minute you are sitting in the middle of a 108 piece symphonic orchestra, the next minute you are front row center, with a steaming rock group on stage and thousands of roaring fans behind you.

It's TETRASOUND™, perhaps the biggest breakthrough in live music reproduction since sound graduated from monaural to stereo.

## DECODER SPECIFICATIONS:

Decoder Type	Tate Directional Enhancement System utilizing advanced cancellation techniques and incorporating an Automatic Dimension Control Circuit which provides maximum theoretical separation at any musical instant, and an exclusive Phase Corrector and Base Combination Circuit
Separation	Greater than 35 DB between all channels
Distortion	Less than .05% THD typically, .15% max 20 HZ to 20 KHZ @ .5 volt RMS
Maximum Output	2.25 volts RMS
Noise	-80 DB from full level
Volume Control	±.5 DB over full 80 DB range
Tracking	
Controls	Panorama Decode Mode Switch Left and Right Input Balance Indicators Front Left/Right Balance Slide Rear Left/Right Balance Slide Front/Back Fader LED Peak Reading Display On/Off Switch 2ch/4ch Inputs On/Off Pilot Light Master Volume Slide Input Level Trimmer Posts Tape Monitor Switch Mode Switch Remote Control Input On/Off Switch LED Display On/Off Switch Input Balance Slide Input Balance Adjustment Switch Power On/Off Normal, Line Level Output Switch LED Peak Level Indicators For Input, Output And Logic Signals. Optional remote control box for adjusting volume, balance and dimension controls.



**FOSGATE ELECTRONICS**

2923 North 33rd Avenue, Phoenix, AZ 85017