

THAT'S BLOOD IN YOUR VEINS ISN'T IT?



INTRODUCING THE ALL-NEW **SUNFIRE** 401 SERIES ELECTRONICS

Sunfire 



“Listening to Bob

1965 – Carver’s earliest years of validating the latest audio technologies and looking for unconventional approaches to amplifier design

Carver speak...

is like watching Jack Nicklaus play golf.”

~Tom LeBlanc, CEPro, April 2008~

HOW DID WE GET HERE IN THE FIRST PLACE?

The year was 1972. And a graduate student named Bob Carver was about to turn an ordinary classroom assignment into the beginning of an iconic brand of home audio products. That assignment—to build a machine that would simulate earthquakes—became the springboard for a four-decade run of innovative ‘firsts’ and ‘onlys’ that have continually raised the benchmark for the entire home audio industry. And while Bob’s history includes the launch of dozens of now legendary speakers, the real roots of his company lie in the development of high performance amplifiers, preamps and one-of-a-kind receivers. Those earlier icons have lead to today’s newest heroes—the remarkable, high-performance 401 Series featured in this brochure. Each 401 Series product represents the latest thinking on the business of power from the company that has made the subject of power its main business. And, every 401 Series component is Sunfire Optimized™—meaning it is purpose-built to work best with any of our equally impressive speaker lines.

Welcome to the all-new 401 Series. Welcome to Sunfire.

COULD YOUR HOME THEATER SYSTEM EVER HAVE TOO MUCH POWER?



7X 400 W

Nothing gets the party started faster than the sheer horsepower of your home theater's amplifier. And when it comes to building amplifiers whose performance exceeds anything else in their class, no other brand has more success stories than Sunfire. The latest and best example of this fact is our new flagship amplifier, the TGA-7401.

As its name implies, this is a true 7-channel amplifier that offers a relentless 7x400 watt profile, earning it the title of **Most Powerful Amplifier in its class**. But power of this stature without equally serious control translates into trouble waiting to happen. That's why Sunfire developed its exclusive Tracking Downconverter™ technology for the coolest, most reliable operation no matter how hot the performance gets.

What's more, the TGA-7401—and its sibling the TGA-7201—are **each Sunfire Optimized™**, a powerful program that ensures your new amp is designed to perform optimally with other Sunfire electronics and our wide assortment of speakers, too. Having said all this, could Sunfire's Amplifiers ever really provide you with too much power? Just turn one up and find out.



EXPERIENCE YEAR-ROUND WARMTH

TGA-series amplifiers boast unique voltage and current source outputs on their left and right channels. This Class A/B operation (voltage), in concert with a warmer tube-like output (current). The combination is perfectly are bi-amp/bi-wire capable.

WHY DID WE GIVE IT AN ASTOUNDING 200 WATTS PER CHANNEL?

Let's face it, Power is number 1 on every Home Theater shopper's Top 5 list of priorities. Because everyone knows that the more power your system has, the more detail and performance you'll be able to pull out of your movies and music. No other comparable receiver quenches your thirst for power better than the all-new 7.1 channel, TGR-401. With **the most power of any receiver in its class** and a gorgeous new design to house it all, the TGR-401 is truly the Sunfire of 7.1 channel receivers. Plus, with Sunfire's exclusive Tracking Downconverter™ technology, that power will be the coolest-running and most reliable, too.

And because great sound should be experienced from every room in the house, the **TGR-401 accepts the elegant multi-room, multi-zone Olé® Touch Pad by ELAN®**—the leading brand of innovative multi-room audio/video systems for two decades. It's also the only receiver with a VIAImigo™ iPod dock, so you'll also have easy access to the benefits of the world's best-selling MP3 player. In short: The TGR-401 is the best thing to ever happen to mid-sized systems, and relegates its so called competition to non-competitive status.

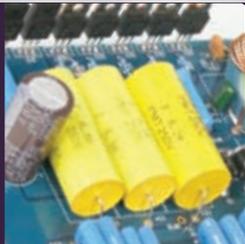


"Everyone thinks of Bob Carver primarily as an amplifier designer, but he's actually a physicist both by nature and formal education. Consequently, he approaches product design from a blank sheet of paper rather than by trying to tease out performance improvements in conventional designs.

Robert Harley, The Absolute Sound, May 2008

Hidden in a compartment behind a sliding door, these connections are to be used for easy hookup of High Definition game systems, portable music players and camcorders.

The patented Tracking Downconverter power supply design dynamically adjusts the output of Sunfire amplifiers to suit the requirements of the incoming audio signal. On-demand power is available for even the most demanding speakers, while its high efficiency keeps the amplifier cool to the touch.

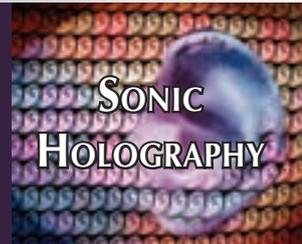


HDMI 1.3a information is routed using a Sunfire developed 1080p switch. Switching is the most reliable link between processors and sources that maintains High Definition performance standards while avoiding compatibility problems still challenging this high-end technology.

HDMI 1.3a



Sonic Holography improves the performance of any loudspeaker by creating a wider and more three-dimensional soundstage. Sunfire's exclusive digital signal processing algorithm adds a complex crosstalk signal to the left and right speakers.





WHEN WAS THE LAST TIME YOU SAW A PRE-AMP THAT TRULY AMAZED YOU?

SIRIUS
R E A D Y

Can you remember the last time you were truly amazed by a pre-amp / processor? What if we told you about one whose lineage of audiophile-quality processors goes back more than a decade. **The only one that accepts the world's most advanced multi-room, multi-zone touch pad**—the ELAN® Olé®; and features the luxury of HDMI switching, Sonic Holography, Dolby® ProLogic IIx, Dolby® Digital, Dolby® Digital EX, DTS® and more. Plus, since everyone buys with their eyes, **this pre-amp's all-new form factor is as preemptive as its long list of features.** Introducing the truly amazing Sunfire TGP-401 Processor.



401
SERIES

SUNFIRE OPTIMIZED

Each of Sunfire's 5.1 and 7.1 loudspeaker systems are designed to sound their best when powered by a Sunfire electronics product featuring our exclusive Tracking Downconverter™ technology. That's because we voice and tune our products as a complete 'system solution'. So always look for products that have been Sunfire Optimized™. It's your assurance that whenever you pair a Sunfire pre-amp, amp and loudspeaker system, you're listening to the performance just the way Bob Carver, and our engineering team, intended it to sound.

TGA-7201



The TGA-7201 is a 200W tour de force that is built around the same no-compromise, highly efficient platform as its more powerful sibling.

For its size, the TGA-7201 is one of the most powerful amplifiers on the market and works perfectly for 5.1 theater systems that require second zone operation – just use the 2 extra amp channels to drive any area of the home, such as the patio or office.



DVR



CABLE



MP3



CD



SIRIUS



WHY DO YOU THINK THEY CALL IT WHOLE HOUSE AUDIO?

The story of the remarkable Olé®-2SF touch pad began with a completely clean sheet of paper. Rather than deciding to make just another touch screen keypad controller, ELAN® decided that it had to do more. It had to embrace its own passion for marrying the latest technology and the most contemporary design. That's why **Olé®-2SF is more than just another keypad.** It's a breakthrough user interface that blends the magic and beauty of touch screen technology with the simplicity of a keypad **featuring the world's first Film Interactive Touchpads (F.I.T.) for customized, décor-driven possibilities available nowhere else.**



Available in 4
Decorator-Friendly
Frame Color Options.



AM/FM



TV



VCR



TG-401



FRONT

provides the high-current drive benefits of suited for the Cinema Ribbon Trio line, which

TGR-401 RECEIVER

AMPLIFICATION

| | |
|--------------------------------------|--------------|
| Channels | 7 |
| Power Output | |
| Rated Power @ 8Ω | 200 |
| Maximum Dynamic Power | 400W/ch @ 4Ω |
| THD at 8Ω, 1kHz | 0.5% |
| All Channel Discrete Output Stage | Y |
| 4Ω Stable | Y |
| Wide Range Amplifier Stage | Y |
| Tracking Downconverter™ Power Supply | Y |
| Amplifier Topology | Class A/B |

CONNECTIONS

| | |
|---|-----|
| Olé®-2SF Touchpad Ports | 2 |
| VIA!migo™ iPod® Port | Y |
| HDMI Switching Inputs/Outputs | 3/1 |
| HDMI v1.3a (1080p) Compatible | Y |
| HDTV-Ready Component Video Input/Output | 3/1 |
| Component Video Upconversion | Y |
| Fully assignable Inputs | Y |
| A/V Inputs/Outputs | 4/2 |
| Audio Inputs/Outputs | 4/2 |
| Coaxial Inputs/Outputs | 4/1 |
| Optical Inputs/Outputs | 4/1 |
| Multichannel Input | 7.1 |
| Headphone Jack | Y |
| Assignable Front Panel Input | Y |
| Selectable LR2/Surr2 Binding Posts | Y |
| CEA Colored Binding Posts | Y |

PREAMP OUTPUTS

| | |
|---------------|-----|
| Front L/R | RCA |
| Center | RCA |
| Surround L/R | RCA |
| Surround Back | RCA |
| Subwoofer | RCA |

TUNER FEATURES

| | |
|----------------------------|----|
| SIRIUS-ready | Y |
| Number of Presets (SIRIUS) | 40 |
| Number of Presets (FM/AM) | 40 |
| Dynamic Noise Reduction | Y |
| Direct Access Tuning | Y |

PROCESSING

| | |
|----------------------------------|---------------|
| Channels | 7.1 |
| Sonic Holography | Y |
| DTS-ES Discrete/Matrix 6.1 | Y |
| DTS Neo:6 | Y |
| DTS 96/24 | Y |
| Dolby Digital EX | Y |
| Dolby ProLogic IIx | Y |
| Late Night Mode | Y |
| Adjustable Digital Delay | Y |
| Audio DACs | 192kHz/24-bit |
| Crossover Adjustment | 40-150Hz |
| Source Direct Mode (Bypass) | Y |
| Automatic Room EQ and Correction | Y |

OTHER FEATURES

| | |
|------------------------|---|
| Display Dimmer | Y |
| Power-On Volume/Source | Y |
| Maximum Volume | Y |
| On-Screen Display | Y |
| Software Upgradeable | Y |
| PC Setup Application | Y |

ZONE 2 FEATURES

| | |
|--------------------------------|---|
| Powered Zone 2 | Y |
| Dedicated Zone 2 Binding Posts | Y |
| Line Output for Second Source | Y |
| Power-On Volume/Source | Y |
| Maximum Volume | Y |
| Bass/Treble Adjustment | Y |
| Balance Adjustment | Y |

CONTROL

| | |
|---------------------|------------------------|
| RS-232 Control Port | Y |
| IR In/Out | 3/3 |
| 12V Trigger Output | 3 |
| Remote Control | Backlit/Learning/Macro |

TGP-401 PROCESSOR

PROCESSING

| | |
|----------------------------------|---------------|
| Channels | 7.1 |
| Sonic Holography | Y |
| DTS-ES Discrete/Matrix 6.1 | Y |
| DTS Neo:6 | Y |
| DTS 96/24 | Y |
| Dolby Digital EX | Y |
| Dolby ProLogic IIx | Y |
| Late Night Mode | Y |
| Adjustable Digital Delay | Y |
| Audio DACs | 192kHz/24-bit |
| Crossover Adjustment | 40-150Hz |
| Source Direct Mode (Bypass) | Y |
| Automatic Room EQ and Correction | Y |

PREAMP OUTPUTS

| | |
|---------------|---------|
| Front L/R | RCA/XLR |
| Center | RCA/XLR |
| Surround L/R | RCA/XLR |
| Surround Back | RCA/XLR |
| Subwoofer | RCA/XLR |

TUNER FEATURES

| | |
|----------------------------|----|
| SIRIUS-ready | Y |
| Number of Presets (SIRIUS) | 40 |
| Number of Presets (FM/AM) | 40 |
| Dynamic Noise Reduction | Y |
| Direct Access Tuning | Y |

ZONE 2 FEATURES

| | |
|-------------------------------|---|
| Line Output for Second Source | Y |
| Power-On Volume/Source | Y |
| Maximum Volume | Y |
| Bass/Treble Adjustment | Y |
| Balance Adjustment | Y |

CONNECTIONS

| | |
|---|-----|
| Olé®2XL Touchpad Ports | 2 |
| VIA!migo™ iPod® Port | Y |
| HDMI Switching Inputs/Outputs | 3/1 |
| HDMI v1.3a (1080p) Compatible | Y |
| HDTV-Ready Component Video Input/Output | 3/1 |
| Component Video Upconversion | Y |
| Fully assignable Inputs | Y |
| A/V Inputs/Outputs | 4/2 |
| Audio Inputs/Outputs | 4/2 |
| Coaxial Inputs/Outputs | 4/1 |
| Optical Inputs/Outputs | 4/1 |
| Multichannel Input | 7.1 |
| Headphone Jack | Y |
| Assignable Front Panel Input | Y |

OTHER FEATURES

| | |
|------------------------|---|
| Display Dimmer | Y |
| Power-On Volume/Source | Y |
| Maximum Volume | Y |
| On-Screen Display | Y |
| Software Upgradeable | Y |
| PC Setup Application | Y |

CONTROL

| | |
|---------------------|------------------------|
| RS-232 Control Port | Y |
| IR In/Out | 3/3 |
| 12V Trigger Output | 3 |
| Remote Control | Backlit/Learning/Macro |

AMPLIFIER

| | |
|--------------------------------------|--------------|
| Channels | 7 |
| Power Output | |
| Rated Power @ 8Ω | 400W/ch |
| Maximum Dynamic Power | 800W/ch @ 4Ω |
| THD at 8Ω, 1kHz | 0.5% |
| All Channel Discrete Output Stage | Y |
| 4Ω Stable | Y |
| Wide Range Amplifier Stage | Y |
| Tracking Downconverter™ Power Supply | Y |
| Amplifier Topology | Class A/B |
| Voltage / Current Source Outputs | L/R |

TGA-7401

| | |
|--------------------------------------|--------------|
| Channels | 7 |
| Power Output | |
| Rated Power @ 8Ω | 200W/ch |
| Maximum Dynamic Power | 400W/ch @ 4Ω |
| THD at 8Ω, 1kHz | 0.5% |
| All Channel Discrete Output Stage | Y |
| 4Ω Stable | Y |
| Wide Range Amplifier Stage | Y |
| Tracking Downconverter™ Power Supply | Y |
| Amplifier Topology | Class A/B |
| Voltage / Current Source Outputs | L/R |

TGA-7201

| | |
|--------------------------------------|--------------|
| Channels | 7 |
| Power Output | |
| Rated Power @ 8Ω | 200W/ch |
| Maximum Dynamic Power | 400W/ch @ 4Ω |
| THD at 8Ω, 1kHz | 0.5% |
| All Channel Discrete Output Stage | Y |
| 4Ω Stable | Y |
| Wide Range Amplifier Stage | Y |
| Tracking Downconverter™ Power Supply | Y |
| Amplifier Topology | Class A/B |
| Voltage / Current Source Outputs | L/R |

CONNECTIVITY

| | |
|---------------------------|--------------------|
| XLR Inputs | 7 |
| RCA Inputs/Outputs | 7/7 |
| Speaker Binding Posts | Gold-plated, 5-way |
| CEA Colored Binding Posts | Y |

CONTROL

| | |
|-------------------------|---|
| 12V Trigger Input | Y |
| Signal Sensing Power-On | Y |

TGA-7401

| | |
|--------------------------------------|--------------|
| Channels | 7 |
| Power Output | |
| Rated Power @ 8Ω | 200W/ch |
| Maximum Dynamic Power | 400W/ch @ 4Ω |
| THD at 8Ω, 1kHz | 0.5% |
| All Channel Discrete Output Stage | Y |
| 4Ω Stable | Y |
| Wide Range Amplifier Stage | Y |
| Tracking Downconverter™ Power Supply | Y |
| Amplifier Topology | Class A/B |
| Voltage / Current Source Outputs | L/R |

TGA-7201

| | |
|--------------------------------------|--------------|
| Channels | 7 |
| Power Output | |
| Rated Power @ 8Ω | 200W/ch |
| Maximum Dynamic Power | 400W/ch @ 4Ω |
| THD at 8Ω, 1kHz | 0.5% |
| All Channel Discrete Output Stage | Y |
| 4Ω Stable | Y |
| Wide Range Amplifier Stage | Y |
| Tracking Downconverter™ Power Supply | Y |
| Amplifier Topology | Class A/B |
| Voltage / Current Source Outputs | L/R |

FIRST PRE-AMP 1972

The Phase Linear 4000 was the world's first preamp with a noise reduction circuit that Carver called the Auto Correlator.

Phase 400 1974

Phase 400 was the first 200 watt two-channel amplifier that was 35% smaller and 50% more powerful than any residential amp available.

M400 1980

World's First "Magnetic Field" Amplifier – 400 Watts in a 7" Cube.