



“... A MAJOR PERFORMER ... measures as good on the bench as it sounds in the living room ... at the top of my list of recommended two-channel components.”

– Sandy Bird, Secrets of Home Theater and High Fidelity

RAVE REVIEWS

“... this preamplifier was performing fantastically ... accurate and very detailed ... music was well paced, rhythmic and easy to listen to ... soundstage was tight and instruments were well placed ... the cornerstone of a very high performing system ...”

– Brian Kahn, AudioVideo Revolution

“... remarkable ... strikingly realistic ... clarity ... naturalness ... precise instrumental separation ... harmonic richness ... amazing range ... the smoothness—will seduce you ... never once tripped up ... simply outstanding.”

– Robet Lussier, Québec AudioVideo

“... eminently enjoyable ... loaded with features ... easy musical flow ... good snap—good rhythmic consistency ... nice shimmer ... I got so wrapped up in the music that I was ready to grab my wife and hit the dance floor.”

– John Crossett, SoundStage!



IT'S ABOUT THE MUSIC

Getting audiophiles to agree on the merits of high-end audio gear is never easy. But in the end, it's about the music. Gauging an audio product comes down to just one question ... how does it sound? In the case of Anthem's stereo preamplifier, the answer is simple ... the TLP1 sings!

Some say the more bells and whistles the better! “Give us minimalist”, cry the audiophiles—nothing more than what the artist recorded. The TLP1 brings both camps together. Its focus is sonic performance!

Behind the polished upscale look is Anthem's 'keep-it-simple' philosophy. Nothing to clutter the signal path, nothing to compromise the integrity of the music. Having said this, however, there remains an understated complexity to this stereo preamplifier/tuner. Far more involved than most

so-called 'high-end' or 'purist' preamplifiers, the TLP1 enjoys all of the benefits of trickle-down technology, incorporating design features from our enormously successful and award-winning AVM lineup.

To sum it up, the TLP1 is an audiophile's dream ... an extremely low-noise design for a dead-silent noise floor, ultra-low distortion, and extended frequency response. It paints an animated sonic picture. Never fatiguing, never ordinary, always inspiring.



PURITY AND INTEGRITY OF SOUND

TLP1 parts are superior quality and close tolerance—carefully chosen to maintain the lowest possible total harmonic distortion plus noise. Take, for example, our use of metal film resistors and high-quality film signal capacitors. And all inputs are individually buffered to prevent one source from interfering with another.



HIGH-END OPERATIONAL AMPS

In keeping with our philosophy of “less is more,” tonal purity is preserved through the use of high-end operational amps employed with a three-fold purpose: to dramatically reduce the number of discrete component parts, increase gain without attenuating high frequencies and amplify the signal without increasing the load.

The TLP1 uses superior operational amps selected for each circuit design application to ensure minimum distortion and low DC offset. Odd-order harmonic distortion, particularly irritating to the ear, is reduced.



100 dB SIGNAL-TO-NOISE RATIO

At 100 dB, signal-to-noise ratio in the TLP1 rivals that of far more expensive preamplifiers on the market—a direct result of the meticulous attention paid to groundplanes and the design of the power supply. Circuit board traces were painstakingly laid out by hand. Out of the silent black background the only thing that comes through is the music—rich, full and enveloping—drawing you into its heart, technicalities forgotten.



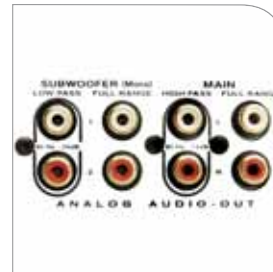
ANALOG VOLUME CONTROL

Clean, articulate sound—particularly at low listening levels—hinges on the quality of the volume control. The TLP1 features a high-performance, digitally controlled CMOS stepped-attenuator, adjustable in 0.5-dB increments. Volume setting is controlled by a microprocessor, while the audio signal itself travels through in analog form. Careful attention was paid to the circuit-board layout, microprocessor design and software design to maintain the purity of the analog audio signal.



THE POWER SUPPLY

The TLP1's power supply starts with our unique, custom-made low-noise transformer—a major contributor to the TLP1's low-noise floor. It boasts a larger-than-usual core with extremely low flux density (10 K Gauss) which helps to dramatically reduce line spiking and high-frequency noise. Four low-ESL, low-ESR oversized capacitors and four precision voltage regulators provide fully independent power supply rail voltages to minimize interference and noise.



STEREO HIGH-PASS, SUBWOOFER OUTPUT

In addition to Main outputs for full-range speakers, the TLP1 contains a built-in 80-Hz crossover facilitating the use of bookshelf speakers together with a subwoofer. The built-in crossover offers both high-pass (speaker) and low-pass (subwoofer) outputs. In addition, a full-range subwoofer output is included for subwoofers with their own built-in crossover.



ZONE 2 OPERATION

True to its purist roots, the TLP1 provides options when it comes to tone. Bass and treble controls only affect the tonal extremes in an undramatic way. These actions are “remembered” for each source. Boost the treble for AM, then set to “0” for CD and both settings will be remembered.

Our hearing sensitivity to bass decreases when listening to music at low volume levels. The TLP1’s selectable Tone Contour works in concert with the volume control, using a proven psycho-acoustic model to add precise amounts of bass at various low volume levels beginning at approximately -20 dB. The result is clean, balanced sound—even at low levels.



THREE-LEVEL DISPLAY

For your convenience, along with the Record output, the TLP1 provides a concurrent fixed-level Zone 2 output. For Zone 2 operation simply connect this output to an integrated amplifier or stereo receiver.



MATCH SOURCE LEVELS

The front panel LCD display offers an adjustable brightness control, making it easy to see the display during the day and allowing you to dim it in the evening. When dimmed, it will brighten momentarily whenever a button is pressed or volume is changed.

RECORD WITH INDEPENDENT SOURCE SELECTION

Want each of your components to play at a similar level when you switch from source to source (i.e. FM/AM to Tape, to CD, to TV, etc.), so that you don’t have to reach for the volume each time you switch? The TLP1 lets you make independent input level-trim adjustments for each source in order to bring these otherwise bothersome differences to the same level.



TRIGGER OUTPUT

Main and Record outputs are completely independent, allowing you to select a different source for each output simultaneously. So, while you are listening to your usual FM radio station counting down the hits on a Saturday morning, you can make a recording of your favorite CD to play in the car.

RECORD WITH INDEPENDENT SOURCE SELECTION

A trigger output makes it easy to automate your music listening system. If your other components, including your power amplifier, have provisions for a trigger input, you can automatically turn them on or off with a push of the TLP1’s Power button or Remote Control. Simply connect the Relay Trigger output from the TLP1 to the trigger input of your power amplifier, TV, CD, etc.





TLP 1

PREAMPLIFIER

Input Impedance	25 k Ω
Main Output Impedance	300 Ω
Record Output Impedance	51 Ω
Rated Input	1.0 Vrms
Maximum Input	4.0 Vrms
Rated Output	1.0 Vrms (100 k Ω load)
Minimum Load	5 k Ω
Maximum Output	3.3 Vrms
Headphone Output	60 mW into 32 Ω at 0.2% THD+N
Volume Range	-80.0 to +8.0 dB in 0.5 dB increments

Crossover

High-Pass Slope (small speaker setting)	12 dB/octave (2nd order) Butterworth
Low-Pass Slope (subwoofer)	24 dB/octave (4th order) Linkwitz-Riley
Frequency	80 Hz

Tone Control

Bass Center Frequency	100 Hz
Treble Center Frequency	6 kHz
Range	\pm 12 dB increments in 2 dB increments

Channel Separation (at 1 kHz)

Crosstalk Between Inputs (at 1 kHz)

Frequency Response and Bandwidth

Main Outputs	20 Hz to 20 kHz (\pm 0.2 dB), 1 Hz to 120 kHz (+0 -3 dB)
Record Outputs	10 Hz to 20 kHz (+0 -0.2 dB), DC to 150 kHz (+0 -3 dB)

THD+N (1 kHz, rated input and output, 80 kHz BW)

Main Outputs	0.005%
Record Outputs	0.001%

IMD (CCIF at 15 kHz and 16 kHz)

Main Outputs	0.002%
Record Outputs	0.001%

S/N Ratio (A-weighted)

Main Outputs	100 dB
Record Outputs	112 dB

FM TUNER

Sensitivity 50 dB S/N	13 dB μ typical, 25 dB μ max.
IHF	10 dB μ typical, 20 dB μ max.

S/N Ratio

Mono	75 dB typical, 65 dB min.
Stereo	69 dB typical, 60 dB min.

Distortion

Mono	0.2% typical, 1.0% max.
Stereo	0.3% typical, 1.5% max.

Stereo Separation

Adjacent Channel Selectivity (\pm 400 kHz)

Frequency Response

AM TUNER

Sensitivity (20 dB S/N)

S/N Ratio

Distortion

One-Signal Selectivity (\pm 10 kHz)

CONTROL

Infra-Red Remote

Carrier Frequency

External Receiver Input Jack

Trigger Output

Jack

Maximum Output

POWER REQUIREMENTS

Supply Voltage

Power Consumption

Fuse Rating (fuse is internal)

DIMENSIONS

Height

Width

Depth

Weight (unpacked)

