



TEAC

AP-507 Stereo Power Amplifier Silver

254906

The AP-507 is a stereo power amplifier from the Reference 500 series, TEAC's premium compact hi-fi components with “letter size” footprint. Designed for flexibility, the AP-507 offers exceptional performance whether used as a standalone stereo unit or paired for advanced configurations like bi-amp mode or high-power BTL mode (350W/8 ohms). Its compact size and versatility also make it an excellent choice for enhancing AV surround sound systems. AP-507The AP-507 is equipped with TEAC's own custom tuned new generation "NCOREx" power amplifier module manufactured by Hypex in the Netherlands. The advanced “x” generation NCORE technology delivers an immersive, three-dimensional soundstage and a more expansive spatial presence. At the heart of its superior sound is TEAC’s in-house designed dual-mono buffer amplifier, refined with meticulous attention to component and circuit detail for unparalleled clarity and richness. Encased in a robust chassis, the AP-507 features a 2.8mm thick semi-floating aluminum top plate and an innovative 3-point Stress-Less Isolation Foot system. This precision-engineered design minimizes vibrations, creating a more open and natural listening experience.

Colour  

PRODUCT DETAILS

Compact, Powerful and Pure
The AP-507 combines compact design with remarkable power, setting a new benchmark for sound quality compared to its predecessors. Pair it with the UD-507 Discrete DAC/Preamp or the HA-507 Preamp to create a high-performance, space-saving amplifier system with a sleek “letter size” footprint. Whether installed in a dedicated audio room, a living space, or even on your desktop, the AP-507 delivers exceptional versatility and performance.
Perfect for headphone enthusiasts looking to enhance their listening experience with speakers, the AP-507 is a powerhouse in a compact form. Designed to handle even the large floorstanding speakers, it offers outstanding sound quality and seamless drivability across any speaker setup.

Equipped with Hypex “NCOREx” Specially Tuned for TEAC.
The AP-507 is powered by the NCOREx, a cutting-edge power amplifier module crafted by Hypex in the Netherlands and expertly tuned by TEAC. Despite its compact design, the AP-507 delivers impressive

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performance, with high power output of 170 watts per channel at 4 ohms and up to 350 watts at 8 ohms in BTL mode. This next-generation NCORE module sets a new standard in audio performance, offering enhanced spatial imaging, a three-dimensional soundstage, and unparalleled clarity. Tailored specifically for the AP-507, TEAC's custom tuning ensures it delivers the precise sound signature the brand is renowned for. The in-house developed dual-mono buffer amplifier, a critical element for achieving superior sound, has been meticulously redesigned with optimized components and circuitry to elevate sound quality beyond previous models.

Fully Balanced Circuitry
The AP-507 is engineered for pristine audio clarity, utilizing fully balanced transmission across all stages of its front-end buffer amplifier and power amplifier sections. This design effectively eliminates common-mode noise, ensuring ultra-low noise signal transmission and an exceptional signal-to-noise ratio for an uncompromised listening experience.

Circuit Design Focused on Sound Quality
The dual-mono buffer amplifier, a critical component for superior sound quality, has been meticulously refined for the AP-507. By re-evaluating and enhancing its parts and circuitry, TEAC has achieved even greater audio performance than previous models. Both the RCA and XLR input circuits feature the premium Muses 8820E operational amplifier, ensuring high-fidelity sound reproduction. Additionally, the XLR input section is designed without coupling capacitors, eliminating transmission loss and preserving musical detail with unparalleled accuracy and clarity.

Buffer Amplifier Power Section with Large Toroidal Core Transformer
The AP-507 features a robust power section for its buffer amplifier, anchored by a large toroidal core transformer. Its dual-mono power rectifier design, with independent left and right channels, ensures optimal channel separation and eliminates interchannel crosstalk. Each channel is equipped with 18,800 F of capacitance to deliver powerful, clear sound. Additionally, Schottky barrier diodes are incorporated to suppress rectification noise, providing a cleaner, more stable power supply for enhanced performance across all front end sections.

Stereo, Bi-amp, and BTL Modes Allow a Variety of Settings
The AP-507 is a versatile stereo amplifier that adapts seamlessly to your audio setup. It can be paired in bi-amp mode to independently drive the woofer and tweeter, or configured in BTL mode to deliver a powerful 350 watts into 8 ohms. This flexibility allows you to create an optimal system tailored to your specific speaker configuration, ensuring exceptional performance and sound quality.

Ideal for Enhancing Speaker Drive and Sound Quality in AV Surround Systems
With its compact design and impressive output power, the AP-507 is the perfect choice as a dedicated power amplifier for multichannel AV surround systems. The control terminal (Trigger In/Through) enables seamless synchronization, allowing you to power multiple AP-507 units on or off simultaneously via an AV preamp/amplifier with trigger output capability.

Beautiful and Rigid – Full Metal Chassis with Letter Size Footprint
The AP-507 features a highly rigid chassis, crafted with aluminum front, top, and side panels encasing a solid steel frame. This robust design, combined with heavy internal components, minimizes vibration to ensure stable, high-quality performance. Its compact, letter-size footprint seamlessly complements modern interiors and can easily fit on a desk. Even when used in pairs for bi-amp or BTL mode, the AP-507's space-saving design preserves a clean and unobstructed listening environment.

Mechanical Design That Prioritizes Sound Quality
To enhance sound openness and natural sound signature, the AP-507's 2.8mm aluminum top panel is semi-floating, sitting in place without screws, secured by slots in the side panels. This design, paired with TEAC's proprietary Stress-Less Isolation Feet which feature a clearance between the bottom panel and the foot delivers a rich, natural sound signature.
The AP-507 is a high-performance, premium amplifier in a compact form, meticulously engineered for efficient heat dissipation without the need for exhaust fans, ensuring a quiet and immersive listening experience.

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Dual Pointer VU Meters That Give You the Pulse of the Music
The AP-507's dual VU meters add a visual dimension to your music experience. With four adjustable brightness levels (bright, medium, dark, and off), you can set the display to match your ambiance. For added dynamism, increase the meter sensitivity by +20 dB to enhance needle movement, or turn off the VU meters as desired.

Included accessories

- Power cord × 1
- Rubber pads × 3
- Antistatic Cloth for level meters × 1
- Owner's manual

Specs

Product Attributes

EAN:	4907034225415
Manufacturer number:	AP-507-S
Product weight:	4.4 kilograms

Dimensions and Weight

Product height:	8.45
Product width:	29
Product length:	27.1
Product weight:	4.4
Packsize height:	18.8
Packsize width:	44.4
Packsize length:	34.4
Packaged weight:	5.8

Audio Inputs

RCA:	1
Input level & impedance RCA:	0.66V (8 , 1% THD output), 50 k
XLR:	1
Input level & impedance XLR:	1.3V (8 , 1% THD output), 200 k

Amplification

THD:	0.0015% (8 , 1 kHz, 12.5 W)
S/N ratio:	113
Speaker impedance:	4-16
Frequency response:	10-50000
Channels:	2

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12 volt trigger:	In & Out
Dynamic output:	Stereo/Bi-amp: 170 W + 170 W (4 , 1% THD, 1 kHz), 95 W + 95 W (8 , 1% THD, 1 kHz). BTL: 350 W (8 , 1%THD, 1 kHz))
Rated output:	Stereo/Bi-amp: 125 W + 125 W (4 , 1% THD, 1 kHz), 70 W + 70 W (8 , 1% THD, 1 kHz). BTL: 230 W (8 , 1%THD, 1 kHz))
Speaker impedance (BTL):	8-16

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