

Trends

Innovative HiFi Audio

www.TrendsAudio.com

TA-10 • Class-T

TA-10 Class-T Stereo Audio Amplifier

Description

Trends Audio introduces the mini-size Class-T stereo amplifier TA-10 providing up to 2x15W output with the bundled AC power supply unit. Thanks to the Tripath's proprietary Class-T Digital Power Processing (TM) technology and our special techniques in circuit design and component selection, TA-10 achieves the sound quality of high-end HiFi but in a very affordable price.

TA-10 performs very like Class-AB amplifiers with high fidelity and warm sound. Yet, its power efficiency and physical size is just like Class-D amplifiers. Even it's maximum output power is only 2x15W, TA-10 is actually powerful to push even the floor-stand speakers with sufficient and good control of bass sound. It has no problem for normal home use purpose

Features

- applied the proprietary T-amp technology for audiophile quality sound, high power efficiency (90%) and less heat generation
- compact design (mini-size & light weight), easy portable and setup
- provide up to 2x15W output
- an AC adaptor is bundled for continuous power supply.



- separated amplifier & AC adaptor design to minimize mutual interference and flexible to apply other power sources, e.g. lead-acid battery.
- standard audio and speaker sockets used to be compatible with most audiophile quality cables.
- the DC bias between speaker terminals can be offset (close to $\pm 0\text{mV}$) by adjusting the potentiometers (factory pre-set). It suppresses the "pop" sound when power on/off and also increase the sound purity.
- option to work as a pure power amp by simply reset jumpers to by-pass the volume controlling circuit
- built-in over-current protection
- built-in over-temperature protection
- audiophile-graded parts and components
- air-core inductor used (instead of magnetic-core) for better sound
- the stylish & specially-plated aluminium case provides not only good-looking, and also provides outstanding shielding capability.



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↓ Spec. (Amplifier Unit)

T-Amp IC	Tripath TA2024	Power Efficiency	81% @ 15W, 4ohm 90% @ 10W, 8ohm
Output Power	2 x 15W @ 4ohm 2 x 10W @ 8ohm	Input	Audio IN RCA (Left/Right) x 1 Power socket (5.5mm/2.1mm) x 1
Signal-to-Noise Ratio (SNR)	98dB	Output	Speaker OUT (Left) x 1 pair (+ / -) Speaker OUT (Right) x 1 pair (+ / -)
Dynamic Range	98dB	Other Switch & Knob	Power ON/OFF switch x 1 Power Indicator (Blue LED) x 1 Volume knob x 1
IHF-IM Distortion	0.10% @ 1W, 4ohm	Power Supply	DC 12V~13.2V(max.)
THD+Noise	"Audiophile" Quality 0.03% @ 9W, 4ohm 0.1% @ 11W 4ohm 0.1% @ 6W 8ohm High Power 10% @ 15W 4ohm 10% @ 10W 8ohm	Dimensions	(W)76mm x (H)46mm x (D)114mm [case only]/150mm[incl. sockets & knob]
		Weight	500g

↓ Spec. (AC Adaptor):

AC Input	Universal AC 100V-240V / 50~60Hz
DC Output	DC 12V / 3A (36W)
Ripple & Noise	<=50mV
Over-load Protection	105%-150%
Over-voltage Protection	115%-150%
Dimensions	(L)117mm x (W)48mm x (H)33mm
Weight	300g

↓ Spec. (AC Adaptor)

3 Pins Power Cord x1 (IEC plug and another plug with different country standards)
User Guide x1
Warranty Card x1

↓ Warranty

One years parts and labor.

↓ Regulatory Compliance

CE Class B
FCC Class B
Canada ICES-003 Class B

