



Trends TA-10.2 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 its 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 specially designed audio-ophile-grade "Trends" MKP capacitors as audio input decoupling capacitor which guarantee the best original audio signal feed into the amplifier. [Trends TA-10.2 Series only]
- 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 gold-plated audio and speaker sockets used to be compatible with most audiophile quality cables.
- applied the specially designed audio-ophile-grade "Trends" MKP capacitors as audio input decoupling capacitor which guarantee the best original audio signal feed into the amplifier.
- applied the lowest LSR & highest ripple current Rubycon MCZ series tank capacitors as the power filtering capacitor which best suit the switching PWM characteristic of class T (class-D) amplifier.
- applied the smaller yet better quality ALPS 9mm sealed volume pot which provide better sound in the volume control
- Re-organized the sockets layout of the back panel which provides a more convenient audio cable and speaker cable connections.
- enhanced the chassis with beautiful satin finish and smarter black/white contrast.
- 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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↓ Specifications

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 for Special Edition):

AC Input	Universal AC 100V-240V / 50~60Hz
DC Output	DC 12V / 4A (48W)
Ripple & Noise	<=50mV
Over-load Protection	105%-150%
Over-voltage Protection	115%-150%
Dimensions	(L)120mm x (W)58mm x (H)38mm
Weight	400g

Spec. (AC Adaptor)

Accessories:	3 Pins Power Cord x1 (IEC plug and another plug with different country standards) User Guide x1 Warranty Card x1
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Warranty: update to 2 years

Two years parts and labor

Regulatory Compliance

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

↓ Comparison

Comparison between Trends TA-10.1, Trends TA-10.2, Trends TA-10.2 SE and Trends TA-10.2P

Trends TA-10 Model	Trends TA-10.1	Trends TA-10.2	Trends TA-10.2 SE	Trends TA-10.2P
Type:	Integrated Amplifier	Integrated Amplifier	Integrated Amplifier	Power Amplifier
Audio input decoupling capacitor	ERO MKT	"Trends" MKP	"Trends" MKP	"Trends" MKP
Power filtering capacitor	ELNA electrolyte	Rubycon MCZ series	Rubycon MCZ series	Rubycon MCZ series
Power Supply	36W	36W	48W	36W
Volume Control	Taiwan Made	Taiwan Made	ALPS	N/A
Cable sockets	Central	Separated	Separated	Separated
Colour	Grey	Black/white contrast.	Black/white contrast.	Black/white contrast.

Trends TA-10.2 SE: Trends TA-10.2 Class-T Stereo Audio Amplifier - Special Edition

Trends TA-10.2P Trends TA-10.2P Class-T Power Amplifier - Special Edition

- To continuously improve our product, we reserve the rights to change some features and specifications without further notice

