

## TA-10 Class-T Power Amplifier

### Description

Trends Audio introduces the mini-size Class-T power 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 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  $\pm 0mV$ ) 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.





## Specifications

### Spec. (Amplifier Unit):

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

### Accessories:

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

### Warranty:

Two years parts and labor.

### Regulatory Compliance:

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

