

Trends PA-10 Tube Headphone/Pre Amplifier

Description

Trends PA-10 Tube Headphone/Pre Amplifier is an innovative audio product and provides all functions of headphone amplifier and pre-amplifier. It includes the innovative circuit design of low voltage hybrid (tube/transistor) pre-amp to provide audiophile quality sound, compact size, and easy/safe DIYer accessibility - pure class-A circuit to provide the best sound performance and have fun tube rolling with this fantastic headphone amplifier

Features

- ♦ the innovative circuit design of low voltage hybrid (tube/transistor) pre-amp to provide audiophile quality sound, compact size, and easy/safe DIYer accessibility
- ♦ pure class-A circuit to provide the best sound performance
- ♦ support both 6DJ8/6922 series and 12AU7 series tubes by simply switching the jumpers. DIYers can easily change their both series tubes to enjoy the fun.
- ♦ ONE bi-triode 6DJ8/6922 or 12AU7 tube as voltage amplification and TWO MOSFETs as output driver which perform the warm, comfortable tube sound and in addition, guarantee the high fidelity & sufficient driving power to the next power amplifier stage.
- ♦ provide all functions of headphone amplifier and pre-amplifier
- ♦ provide TWO sets of switchable audio inputs. Besides the normal CD input, the Phono input with higher gain is provided for small output phono amplifier or PC/Mac/iPod.
- ♦ Besides the normal audio output in the back panel, ONE headphone output in the front to drive even high-impedance audiophile-grade headphones
- ♦ compact design (mini-size & light weight), suitable for hi-fi room, living room, sleeping room or even right beside your laptop computer.
- ♦ TWO precise screw-driving potentiometers for professional audiophiles to adjust the tube's bias voltage to guarantee the best working point for different tubes.
- ♦ require just a single +24V power supply ONLY, besides the bundled AC



adaptor, audiophiles can apply all other power supply with the same spec., e.g. lead-acid batteries.

- ♦ a specially designed AC power adaptor with extra low ripple & noise for Hi-Fi device is bundled for continuous power supply
- ♦ separate pre-amp unit & power adaptor to minimize interference and

flexible to apply other power sources, e.g. lead-acid battery.

- ♦ all audiophile-graded parts and components
- ♦ the stylish aluminium case provides outstanding shielding & grounding capability to keeps the background silent and maximize the S/N ratio.



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Trends PA-10 Tube Headphone/Pre Amplifier

Specifications

1.1 Specification of the Headphone/Pre Amplifier Unit

Vacuum Tube	6DJ8/6922 series or 12AU7 series (exchangeable)
Output Stage	MOSFET x 2
Amplification Gain	x3 (for Audio CD/DAC IN) x20 (for Audio PC/iPod IN)
Signal-to-Noise Ratio (SNR)	92dB
Dynamic Range	92dB
THD+Noise	0.05% @ 10k ohm 0.15% @ 33 ohm
Input	Audio CD/DAC IN RCA (Left/Right) x 1 [3Vpp max.] Audio PC/iPod IN RCA (Left/Right) x 1 [0.55Vpp max.] Power Socket (5.5mm/2.1mm) x 1
Output	Audio OUT RCA(Left/Right) x 1 Headphone OUT (3.5mm) x 1
Other Switch & Knob	Audio IN selection switch x 1 Power ON/OFF switch x 1 Power Indicator (Blue LED under Tube Socket) x 1 Volume Knob x 1
Power Supply	DC 24V-26.5V (max.)
Dimensions	(W)76mm x (H)46mm x (D)114mm
Weight	380g

1.2 Specification of the AC Adaptor

AC Input	Universal AC 100V-240V/50-60Hz
DC Output	DC 24V 0.6A (15W)
DC Plug	DC 2.1mm
Ripple & Noise	<= 25mV
Over-load Protection	105%-150%
Over-voltage Protection	115%-150%
Dimensions	(L)78mm x (W)50mm x (H)33mm
Weight	150g



* To continuously improve our product, we reserve the rights to change some specifications without further notice.

Comparison

Trends PA-10 Features	Trends PA-10	Trends PA-10 SE*
Tube	Chinese 6N11	Russian 6H23n
Audio output Capacitor	10uF cap(Black)	EVOX cap (White)
Sound Quality	Balance sound in full range and good fidelity	Relative thicker & warmer mid range and heavier bass

