

PA-10

Tube Headphone/Preamp



Description

Trends PA-10 Tube Headphone/Pre Amplifier is an innovative audio product and it provides all functions of headphone amplifier and pre-amplifier. PA-10's innovative low-voltage hybrid (tube/transistor) circuit design provides audiophile-quality sound. Add in compact size, easy/safe DIYer accessibility, pure class-A circuitry, easily accessible headphone output (that drives even high-impedance headphones) and the personalized "fine-tuning" and fun tube rolling.

Features

- 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 TWO sets of switchable audio inputs. Besides the normal CD input, the PC/iPod input with higher gain is provided for small output phono amplifier or PC/Mac/iPod/iPhone/iPad.
- 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.

"the price/performance ratio on the PA-10 is hard to beat"



"an affordable and compact hybrid Swiss army knife type of preamp"



"PA-10 is a surprise. It is so brilliant that you can challenge all the great preamplifiers"



"it's a thumbs up for the PA-10"



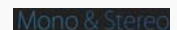
"the most economical way to enter the world of true high fidelity"



"offers users on a budget a fun and versatile piece of equipment"



"Trends Audio PA-10 is a mighty machine"



"Trends PA-10, Tremendous value-for-money"



"C'est certainement un des meilleurs amplificateurs pour casque que nous ayons ecoutes ces derniers mois"



"聲音能完完全全清楚感受到, 整體上二度空間感更大, 而人聲同樣相當突出"



"發燒音響, iPhone聽味濃"



Specifications

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) x6 (for Audio PC/iPod IN) |
| Signal-to-Noise Ratio (SNR) | 92dB |
| Dynamic Range | 92dB |
| Power Output | 3.0 Watts per channel on 33 Ohm Headphone |
| 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) x1 Volume Knob x 1 |
| Power Supply | DC 24V-26.5V (max.) |
| Dimensions(DxWxH) | 114mm x 76mm x 46mm[case only] 145mm[incl. sockets & knob] |
| Weight | 380g |



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(DxWxH) | 78mm x 50mm x 33mm |
| Weight | 150g |



| | |
|---------------------|--|
| Accessories: | Tube x1 User Guide x1 Warranty Card x1 |
|---------------------|--|

Warranty:

Two years parts and labor.
Tube is guaranteed for 1 year

Regulatory Compliance:

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

Optional Accessory: Trends PW-10 PSU

| | |
|--------------------|---|
| AC Power Input: | 110V /50~60 Hz or 220V / 50~60Hz (specific model should be selected, not compatible) |
| DC Power Output: | TA: +12V/3.3A, DA/UD: +5V/230mA, PA: +24V/420mA |
| AC Input Socket: | IEC socket |
| DC Output Socket: | DC 2.1 socket |
| Dimensions(DxWxH): | 205mm x 105mm x 55mm |
| Weight: | 1.8 KG |



Comparison

Comparison between PA-10, PA-10 SE and PA-10 GE

| Model | PA-10 | PA-10 SE | PA-10 GE | PA-10 for iPhone/iPod | PA-10 SE for iPhone/iPod | PA-10 GE for iPhone/iPod |
|----------------------|---|--|---|---|--|---|
| Tube Types | 6DJ8/6922 series | 6DJ8/6922 series | 12AU7 series | 6DJ8/6922 series | 6DJ8/6922 series | 12AU7 series |
| Tube | Chinese 6N11 | Russian 6H23n | U.S.A 12AU7 | Chinese 6N11 | Russian 6H23n | U.S.A 12AU7 |
| Sound Quality | Balance sound in full range and good fidelity | Relative thicker & heavier bass and good on orchestral | Relative warmer mid range and excellent female vocals | Balance sound in full range and good fidelity | Relative thicker & heavier bass and good on orchestral | Relative warmer mid range and excellent female vocals |
| Apple Line Out Cable | x | x | x | √ | √ | √ |

Remark: SE=Special Edition

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

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