PopPulse T2024
Class-T Stereo Amplifier

USER GUIDE

1. Introduction

Congratulations on purchasing a PopPulse T2024 Class-T stereo amplifier.

Thanks to it utilising advanced Tripath technology & audiophile grade parts, the T150 is easily able to achieve the sonic performance of traditional high-end amplifiers, but in a compact, affordable and efficient little unit.

Based around the famous Tripath 2024 IC, this amplifier is able to outperform most traditional amplifiers (even very expensive ones) and can be partnered to some very exotic full-range speakers.

With a power output of up to 15 Watts RMS, the T2024 has sufficient power to drive most reasonably sensitive hifi speakers to a decent volume level.

2. Features

- Uses Tripath technology for audiophile quality sound
- 90% efficient. Hardly generates any heat!
- No start-up pop!
- Can be powered by a 12v lead-acid battery to further improve sound quality..
- Uses high quality RCA sockets and full size speaker terminals
- Alps RK27 volume control can be bypassed via an internal jumper (for use with a pre-amplifier)
- Over-current protection
- Thermal protection
- Uses Audiophile parts and components
- Housed in a top quality metal case with a very classy, thick aluminium front facia plate. Case is strong, good looking and provides excellent shielding from electronic interference.

3. Overview

4. Getting Started Guide

- Carefully unpack amplifier
- Observing correct polarity, attach left and right speakers to the left and right speaker terminals. The use of banana plugs (not supplied) is highly recommended and makes hooking up speakers very easy.
- Plug audio source into the left and right RCA sockets (don't switch on audio source yet)
- Plug the supplied 12v power supply into the 12v DC power socket on the rear of amp (do not turn mains power on just yet)
- Make sure that the volume control is turned down fully.
- Power up the 12v power supply and using the switch power switch on the amplifier back panel, turn on the amplifier. The blue power LED on front of amplifier should light up.
- Play audio source
- Turn up volume to suitable level
- Enjoy!

5. Accessories

Comes complete with:

- 12v switched mode power supply
- UK IEC mains power lead
- Spare DC power lead (could be used to attach to a 12v battery or better quality PSU
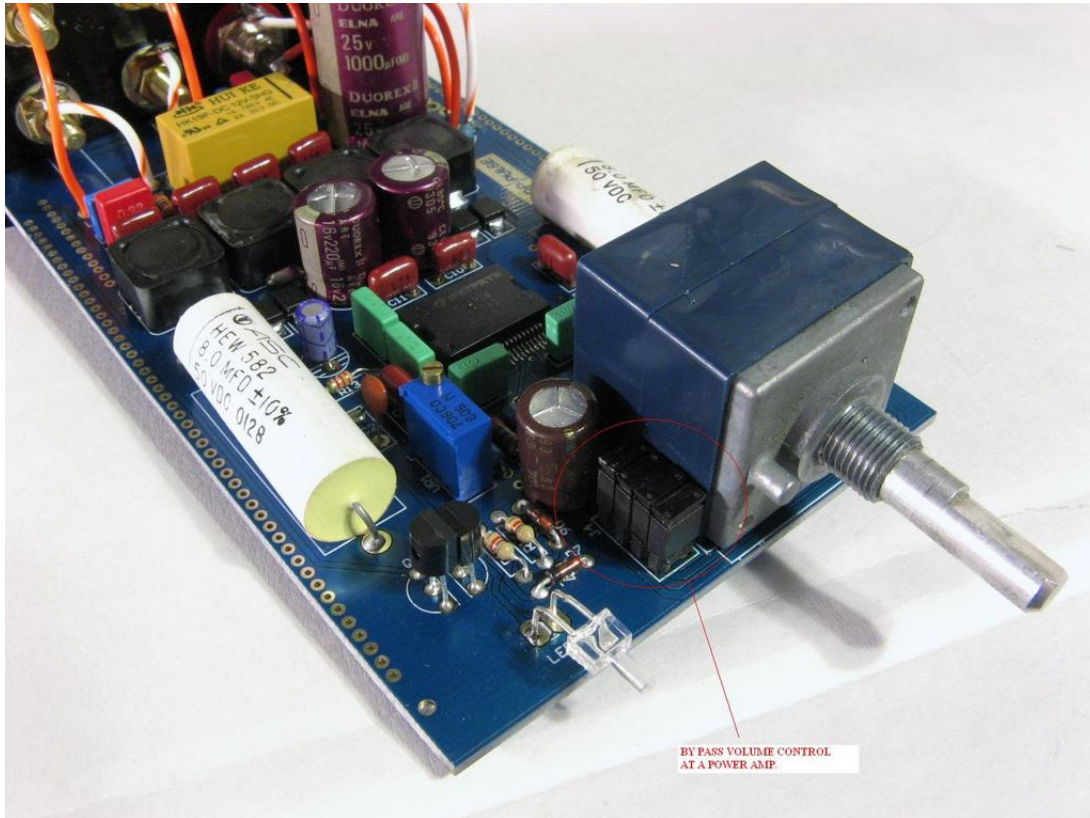- User Guide
- A set of 4 stick on rubber feet

6. Specifications

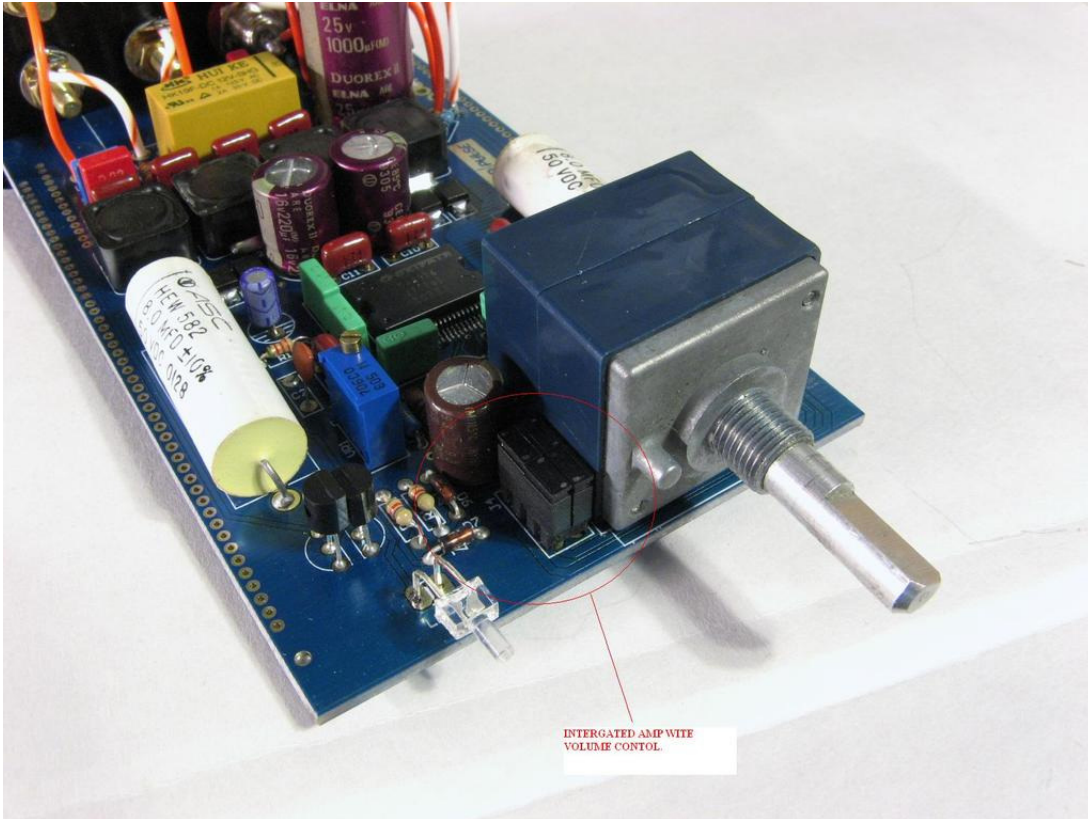| T-Amp IC	Tripath 2024
Output Power	2x15W @ 4 Ohm 2x10W @ 8 Ohm
Signal-to-Noise Ratio (SNR)	98dB
IHF IM Distortion	0.10% @ 1W, 4Ohm
THD+Noise	Audiophile Quality 0.03% @ 9W 4 Ohm 0.1% @ 11W 4 Ohm 0.1% @ 6W 8 Ohm High Power 10% @ 10W 8 Ohm
Power Efficiency	81% @ 15W 4 Ohm 90% @ 10W 8 Ohm
Input	RCA inputs (Left/Right) Power Socket (5.5mm/2.1mm)
Output	Left and Right full size speaker terminals (also takes banana plugs)
Switches & Knobs	Power ON/OFF switch (on rear panel) Blue LED power indicator Volume Knob
Power Supply	DC 12V-13.2V (max.)
Dimensions	(W)76mm x (H)46mm x (D)114mm[case only]/150mm [incl. sockets & knob]
Weight	500 Grams?

7. Troubleshooting Checklist

- Make sure AC power lead is plugged into 12v PSU and that mains are switched on.
- Make sure that the DC power lead from PSU is plugged into the DC power socket on the amps rear
- Make sure music is playing and the volume is not turned totally down
- If volume control is not working, make sure that the internal jumper is not set up to bypass volume control

8. How to bypass volume control (for use with a pre-amp)

Default jumper settings (as supplied)

INTERGATED AMP WITE
VOLUME CONTOL.

This is not an official PopPulse User Manual. It's the work of:

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