

PURE CLASS A HIGH PERFORMANCE PORTABLE HIFI HEADPHONE AMPLIFIER



HDA-P2 QUICK START GUIDE

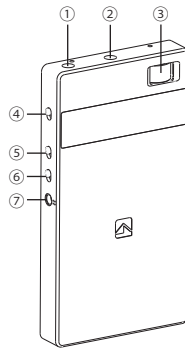
living in music



www.atc-lifestyle.com

ATC (UK) Corporation Limited
20-22 Bedford Row, London
WC1R 4JS, United Kingdom
www.atc-lifestyle.com

ATC is a trademark of ATC EnergyTech Corporation Limited.
© 2017 ATC EnergyTech Corporation Ltd. All rights reserved.



- ① Audio output
- ② Audio input
- ③ Volume adjustment
- ④ Gain switch
- ⑤ Power switch
- ⑥ Display switch
- ⑦ Charging port

Product profile

HDA-P2 is a stylish, high-performance portable, all-transistor earphone amplifier. The device can be connected with various video players in amplifying video signals. It allows different types of earphones with improved sound quality output and optimal efficiency.

Two (or two sets of) transistors of pure class A amplifier (A type power amplifier) output levels are at the electric conductive status, which enables it to maintain conducting currents no matter where signal input is.

The pure class A amplifier equips with optimal linearity, every output transistor contains full-waved amplified signal with no switching distortion. In the pure class A amplifier, the transistor

is always "ON", this keeps a complete cycle of the input signal waveform without switching distortion.

The overall conversion efficiency might be lower due to the loss of power in the form of heat as a result of large currents. By removing the traditional amplifier "negative feedback", sound quality is improved with a smoother effect.

Pure class A power amplifier is the ideal ways of listening to music. It provides seamless soft sound quality with perfectly transparent and open high pitch tone.

Product profile

1. Turn on the power switch of earphone amplifier
2. Insert one end of signal line into the signal input port of earphone amplifier, and insert the other end into the sound source.
3. In order to obtain the optimal performance, signals should be inserted in the line output port of the sound source, if there is only the earphone output port in the sound source, the volume should be adjusted to the maximum.
4. Adjust the gain switch of earphone amplifier according to desire.
5. Decide whether to turn on screen display switch according to desire.
6. Adjust the volume knob according to the desire; insert the earphone into the earphone output port for the best sound.

Charging

The device must be charged only by the attached charger. No other batteries should be use to avoid any undesired consequences. It usually requires up to 3 hours to fully charge the phone. Charging time might be longer if the device is in-use during charging.

Parameter indexes and standards

Output power: High power mode 2600mW low power mode 50mW

Input level: 2000mv rms

Charging time: 3 hours

Cruising time: about 10 hours (with display screen is turned off) /8.5 hours (with display screen is turned on)

Battery: 2000mAh 7.4V lithium battery (equal to 4000MAH single-node lithium battery)

Net volume: 64.5*120*13.4mm

Net weight: 145g

Important illustrations

- Class A amplifier may results in heat if it is being used with an extended amount of time. Please pay attention to the heat dissipation.
- Avoid using the earphone with the highest volume, especially with the use of in-ear earphone. It is not recommended to use it for an extended period of time to avoid any potential damages on hearing.
- This earphone amplifier is not water-proof; do not expose it in water.
- Do not use in wet places or bad weathers such as raining and snowing.
- When using the earphone, sound from the surrounding would be blocked. For safety purposes, it is not recommended to use the earphone in any environment that can promotes potential danger and risks.

List

Upon receipt, please check the items.

- | | | |
|--------------------------|------------------------|---|
| <input type="checkbox"/> | P2 Headphone amplifier | 1 |
| <input type="checkbox"/> | Silicone rubber bands | 2 |
| <input type="checkbox"/> | Audio cable | 1 |
| <input type="checkbox"/> | Manual | 1 |
| <input type="checkbox"/> | Welcome card | 1 |
| <input type="checkbox"/> | Pouch | 1 |
| <input type="checkbox"/> | Charger | 1 |

Design and specification may be changed or updated without notice.