



DOUK AUDIO A1 U3 Mini Class A Headphone Amplifier Instruction Manual

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DOUK AUDIO A1 U3 Mini Class A Headphone Amplifier



Features

- Adopting an innovative circuit design, DC 5-20V wide input working voltage, the amplifier circuit can always work at a high voltage of 26V, and the background noise index is excellent. With wide frequency response extension, excellent transient response, excellent purity and transparency, and good dynamic range.
- Adopting the original TI-NE5532 classical op amp and transistor expanding current circuit, using a 1300mA large current output transistor working in class A status, with ultra-low distortion, the sound is warm and delicate, full and mellow.
- Pluggable op-amp socket design, convenient to upgrade different op-amps, and brings much DIY fun and playability for audiophiles. Smooth and mellow sound, suitable for listening to vocals or string music, classic or pop music, even with unique charm when playing rock.
- Mini size with exquisite appearance and most cost-effective, brings big surprise for all audiophiles, easily to drive most headphones in the market, providing larger power, better sound field, and details, very suitable for home/office desktop audio system use.
- With strong drive power, it easily drives most high-impedance headphones such as HD580/HD600/HD650/K701/K702/Q701/DT880/T70 /190/SR225/SR325/RS1e

Warm tips

1. The pluggable op-amp socket, NE5532 op-amp can be replaced by 2604AP, 2107 AP, EL2244, 8920, etc.
2. The working voltage is DC 5V-20V, exceeding 20V will result in damage.

How to use

1. Connect an audio source to the RCA input of U3 with a good-quality audio cable.
2. Connect to a 5V power adapter or computer or power bank with a USB cable, also use a DC 5-20V power adapter and then press the power button to turn it on.
3. Connect your headphones to the output of U3, then play Hifi music on your audio device and enjoy it.







Parameters

- **Brand:** Douk Audio
- **Model:** U3
- **Audio input:** stereo L/R RCA
- **Audio output:** 6.35mm headphone jack (with 6.35mm to 3.5mm adapter)
- **Output power:** $\geq 1300\text{mW}$ (32 Ω)
- **Matched headphone impedance:** 18-600 Ω
- **Frequency response:** 20-30KHz
- **Signal-to-noise ratio:** $> 110\text{DB}$
- **Max output amplitude voltage:** 25V
- **Input voltage:** DC 5-20V
- **Dimension(W*D*H):** 67*93*30mm / 2.64*3.66*1.18in
- **Net weight:** 169g / 0.37lb
- **Package weight:** 310g / 0.68lb


Packing List

- 1*U3 Headphone Amplifier
- 1*USB to DC Cable
- 1*6.35mm to 3.5mm Headphone Adapter

Contact information

-  Website: www.doukaudio.com.
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Documents / Resources

	<p>DOUK AUDIO A1 U3 Mini Class A Headphone Amplifier [pdf] Instruction Manual A1 U3 Mini Class A Headphone Amplifier, A1, U3 Mini Class A Headphone Amplifier, Mini Class A Headphone Amplifier, Class A Headphone Amplifier, Headphone Amplifier, Amplifier</p>
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References

- [User Manual](#)