Brief Introduction:

This headphone amplifier uses a professional level audio IC from Texas Instruments to achieve low noise and distortion and high output on a wide variety of headphones. The high-current output design allows it to easily drive headphones with a wide impedance range and the line and preamp outputs allow you to connect to an external amplifier or a set of powered speakers.

Specifications:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB DAC</td>
<td>96KHZ / 24bit</td>
</tr>
<tr>
<td>Output Power</td>
<td>≥ 900mW (32Ω Loaded)</td>
</tr>
<tr>
<td></td>
<td>≥ 150mW (300Ω Loaded)</td>
</tr>
<tr>
<td>Headphone Impedance Range</td>
<td>16Ω ~ 600Ω</td>
</tr>
<tr>
<td>SNR</td>
<td>≥ 100dB (A weight) [AUX IN]</td>
</tr>
<tr>
<td>Distortion</td>
<td>&lt; 0.003% [AUX IN]</td>
</tr>
<tr>
<td>Frequency Response</td>
<td>20Hz ~ 20KHz</td>
</tr>
<tr>
<td>Fixed Line Out</td>
<td>&lt; 2V rms</td>
</tr>
<tr>
<td>Adjustable Pre-out</td>
<td>0 ~ 6V rms</td>
</tr>
<tr>
<td>Power Supply</td>
<td>DC15V, 2A</td>
</tr>
</tbody>
</table>

Package Contents:

Please verify that you received all the items listed below:

- Headphone Amplifier: 1 PCS
- USB Cable: 1 PCS
- Power Adaptor: 1 PCS
- Audio Cable: 1 PCS
- Manual: 1 PCS

Operating Instructions:

1. Input Selector Switch:
   - USB DAC: Converts digital USB audio from your PC to analog audio for use with headphones and consumer electronics amplifiers/receivers.
   - AUX IN: Selects the AUX RCA inputs on the back of the amp.

2. Volume Control / Power Switch:
   - Turn the knob clockwise to turn the amplifier on and to increase volume.
   - Turn the knob counterclockwise to decrease the volume and to turn the amplifier off.

3. Power Indicator:
   - When first turned on, the LED will glow red for 3-4 seconds, then will glow blue indicating that power is on. When power is off, the LED is off.

4. Headphone Output Jack:
   - 1/4” (6.35mm) stereo headphone jack. See the Specifications section for suitable headphone characteristics.

5. DC Power Connector:
   - Plug the included power adapter into this jack. The input voltage range for the power adapter is AC100~240V, 50/60 Hz

6. USB Connector:
   - Connect the amplifier to a PC using the included USB cable.

7. PRE OUT Connectors:
   - Connect an external amplifier or powered speakers to these outputs. The output level is controlled using the Volume knob and varies from 0 ~ 6V rms.

8. Gain Switch:
   - High Gain (up): This setting is suitable for headphones with high impedance or low sensitivity.
   - Low Gain (down): This setting is suitable for low impedance or high sensitivity headphones.

9. LINE OUT Connectors:
   - Outputs a line level signal, suitable for use as an input to a CD recorder or tape deck. The volume control does not affect the level of this signal.

10. AUX IN Connectors:
    - Connect a line level audio source, such as a CD player, to these inputs.

Safety Warnings:

- To prevent damage to your hearing, do not listen to music at excessive volume levels. Turn down the volume before connecting headphones. Avoid prolonged use of headphones.
- Keep away from water or moisture of any kind. Do not use in dusty environments.
- Do not open or attempt to repair this amplifier. Always use the included AC power adapter or an exact replacement.

Troubleshooting:

If you cannot hear sound, check the following:

- Double check all connections to ensure that they secure.
- Double check the source and destination routing.
- Try switching the audio source.
- Try a different set of headphones or speakers.
- Check the power source to ensure it is active.