

NUX

PHT-2 HEADPHONES AMPLIFIER 2 CHANNELS USER'S MANUAL

Thank you for choosing NUX PHT-2 Dual-Channel Headphones Amplifier. PHT-2 is a portable headphones amplifier. It has several jacks that support stereo and mono signal. Each channel has independent level control and can connect up to 4 headphones at the same time. LINK function can make several PHT-2s to be used in series. It can be applied in many occasions, such as studio, stage, etc.

Please take your time to read the following user's manual carefully. We recommend that you keep the manual for future reference.

FEATURES

- Two stereo headphone amplifiers.
- Balanced/unbalanced input.
- AUX IN with RCA jack.
- Master Level Control.
- Signal Level Indicator.
- Dual headphone jacks output.

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Accuracy

Whilst every effort has been made to ensure the accuracy and content of this manual, Cherub Technology Co. makes no representations or warranties regarding the contents.

WARNING-IMPORTANT SAFETY INSTRUCTIONS BEFORE CONNECTING, READ INSTRUCTIONS

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION: To reduce the risk of fire or electric shock, do not remove screws. No user-serviceable parts inside. Refer servicing to qualified service personnel.

CAUTION: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

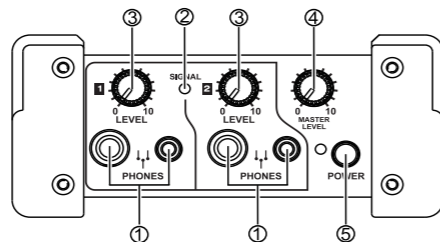
The lightning symbol within a triangle means "electrical caution!" It indicates the presence of information about operating voltage and potential risks of electrical shock.

The exclamation point within a triangle means "caution!" Please read the information next to all caution signs.

1. Use only the supplied power supply or power cord. If you are not sure of the type of power available, consult your dealer or local power company.
2. Do not place near heat sources, such as radiators, heat registers, or appliances which produce heat.
3. Guard against objects or liquids entering the enclosure.
4. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
5. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
6. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
7. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and at the point where they exit from the apparatus.
8. Prolonged listening at high volume levels may cause irreparable hearing loss and/or damage. Always be sure to practice "safe listening".

Follow all instructions and heed all warnings
KEEP THESE INSTRUCTIONS!

PRODUCT INTERFACE



1. HEADPHONE OUTPUT JACKS

Each channel offers two types of jack: 3.5mm and 6.35mm. They are in parallel inside.

2. SIGNAL LEVEL INDICATOR

The indicator will be lit up when the input signal reaches -10dB level. Two channels share the same indicator.

3. LEVEL KNOB

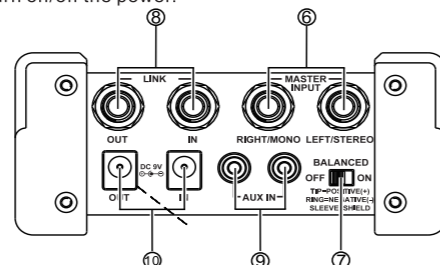
Adjust channel volume.

4. MASTER KNOB

Adjust master output volume.

5. POWER SWITCHER

Turn on/off the power.



6. MASTER INPUT JACKS

These support mono and stereo signal according to different connecting methods.

7. BALANCED/UNBALANCED Switch

Switch the input jack to receive balanced or unbalanced signal.

8. LINK JACKS

Use for connecting several PHT-2s in series. Connect the LINK OUT jack with a stereo 6.35mm cable to the LINK IN of the next PHT-2.

9. AUX IN JACKS

The pair of RCA auxiliary jacks allow you to input stereo signal.

10. POWER JACK

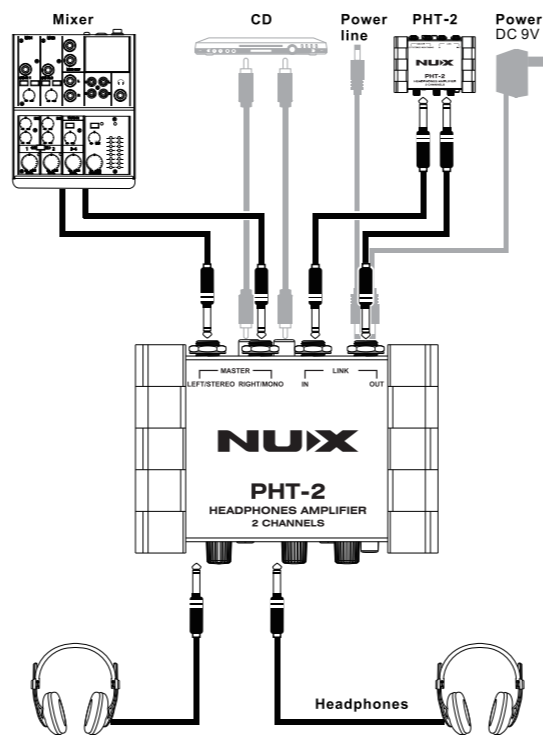
The power jack can accept center negative 9V DC power. These two power jacks are in parallel. The other jack can be used as the power output for the next device.

Power On/Off

Please confirm the power is off before connecting PHT-2 to other devices.

1. If you want to obtain the best performance, LEVEL knob should be kept on the center-right position.
2. Turn off the MASTER LEVEL knob before connecting cables.
3. Please confirm that the amplifier and speaker should be turned off before the power is off. And turn on the amplifier or speaker after the power is on.

CONNECTIONS



5. Master Volume Control

MASTER LEVEL controls the main input signal. SIGNAL LEVEL indicator displays the signal intensity. LEVEL knob controls signal intensity of each channel.

6. Two Stereo Headphone Amplifiers

Each Headphone output channel offers two types of jack: 3.5mm and 6.35mm. They are in parallel inside. Therefore, it is recommended that only one headphone plugged in one channel.

1. Insert the center negative 9V DC plug into any of two power jacks on the back panel. The other jack can be used as the power output for other devices. Notes: please confirm that all the power consumption should be lower than the power supply's capacity.
2. Input mono or stereo signals into corresponding INPUT jack. Use standard 6.35mm mono plug for unbalanced output system, and turn the switcher to the unbalanced position. Use standard 6.35mm stereo plug for balanced output system, and turn the switcher to the balanced position.
3. RCA plug can be inserted into the AUX IN jack if it is necessary. The white jack is left channel. The red jack is right channel.



Important notes:

SPECIFICATIONS

- Input Impedance: 10kΩ
- Output Impedance: 10kΩ
- Dynamic range: 96dBu
- S/N ratio: -94dBu
- Frequency response: 20Hz-20kHz -1dB~0.5dB
- THD+N: 0.027%(0dBu)
- Headphone output power: 30mW/each channel
- Signal Indicator: -10dBu
- Operating Current: 240mA
- Power Supply: DC 9V
- Dimension: 121(L)x84(W)x55(H)mm
- Weight: 350g

PRECAUTIONS

- Environment:
 1. Do NOT use PHT-2 in high temperature, high humidity, or subzero environments.
 2. Do NOT use PHT-2 in the direct sunlight.
- Please do NOT disassemble PHT-2 by yourself.
- Please keep this manual for future reference.

ACCESSORIES

- Owner's manual

THE FCC REGULATION WARNING (for U.S.A.)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CE mark for European Harmonized Standards

CE Mark which is attached to our company's products of Battery mains the product is in fully conformity with the harmonized standard(s) EN 61000-6-3:2007+A1:2011 & EN 61000-6-1:2007 Under the Council Directive 2004/108/EC on Electromagnetic Compatibility.

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Made in China

NUX

PHT-2

双通道耳机放大器 使用说明书

感谢您选择NUX PHT-2双通道耳机放大器。PHT-2是一款使用非常灵活的便携耳机放大器。它带有多重接口，可支持立体声和单声道。两个能单独控制耳机音量的通道，最多能同时接4个耳机。LINK连接功能可实现多个PHT-2串联起来使用。它可以用在很多场合，如录音室、舞台等。

请花时间仔细阅读这份说明书，并建议您保留它以备今后的需求。

产品特点

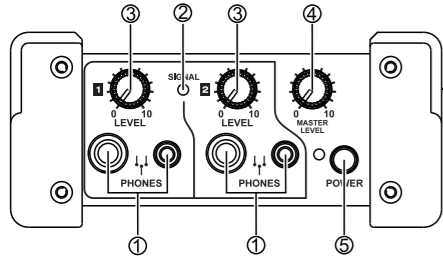
- 两个立体声耳机放大器
- 总输入音量控制
- 平衡式和非平衡式的输入
- 信号电平指示器
- AUX IN输入RCA接口
- 扩展耳机的输出能力

警告!-重要安全说明

警告: 为了减少火灾或触电的危险，请勿将本设备淋雨或受潮。

注意: 为了减少火灾或触电的危险，请不要私自拆卸机器。用户不可自行维修部件，如需维修请联系合格的服务人员。

产品界面



1. 耳机输出接口

每个通道提供3.5mm和6.35mm两种规格的接口，它们的内部是并联在一起的。

2. 信号电平指示灯

当输入信号达到-10dB时将被点亮，两个通道共用一个指示灯。

3. 通道电平旋钮

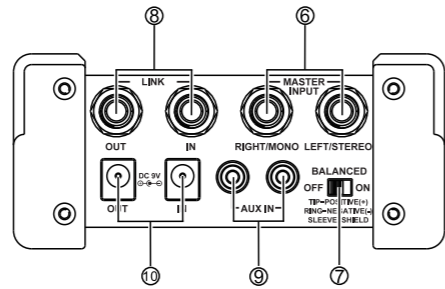
设定每个耳机通道的音量。

4. 总音量输出旋钮

设定总音量输出。

5. 电源开关

开启/关闭设备的电源。



6. 总音量输入接口

INPUT 根据不同的接法支持单声道、立体声等多种输入方式。

7. 平衡、非平衡拨档开关

切换INPUT接口输入的信号是平衡信号或者非平衡信号。

8. 串联接口

用于多个PHT-2的串联，用一条立体声6.35mm插头的连接线将LINK OUT插座作为输出接到下一机器的输入LINK IN。

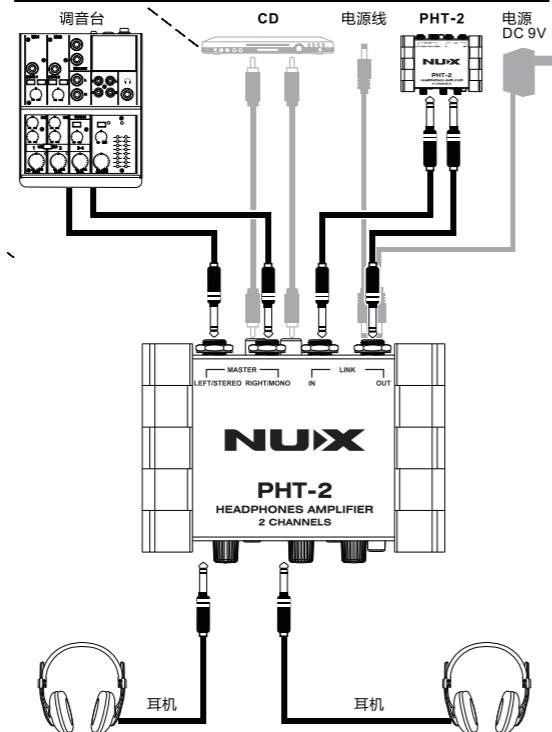
9. 立体声输入接口

作为辅助的输入，可接受RCA接口的立体声信号。

10. 电源接口

电源接口接受常规的外正内负的9V电源。两个电源插口是并联的，可用另一个插口通过电源线连接到下一个设备。

连接方式



电源开关

首次连接PHT-2到其它设备之前，请确保电源处于关闭状态。

1. 如果要获得最优的性能，LEVEL旋钮应该总是处于中间偏右的位置。
2. 连接电缆前务必关闭主音量旋钮。
3. 断电前确保先断功放或有源音箱的电源。通电时则最后接通功放或有源音箱的电源。

功能介绍

PHT-2耳机放大器拥有智能的输入接口适应能力，所以您可以接入任何类型的信号给它。

1. 单声道单路输入

连接单声道插头到PHT-2的MONO插口，保持STEREO插口没有插头插入。

通过开关，此输入方式支持平衡、非平衡两种信号源，且能保证单声道信号同时进入立体声的两个声道。

2. 立体声输入

连接立体声插头（如其它设备的耳机输出接口）接入到PHT-2的STEREO插口，保持MONO插口没有插头插入。

3. 单声道双路输入

连接两个单声道插头到PHT-2的LEFT和RIGHT插口。通过开关，此输入方式支持平衡、非平衡两种信号源。

4. 输出通道扩展

PHT-2支持通道扩展，将主机的LINK OUT通过6.35mm立体声插头插入到下一个机器的LINK IN，即可实现增加两个通道，如需要更多通道可重复同样的方法实现。通道扩展后第一个机器的MASTER旋钮将控制所有通道的音量，但用户仍然可以使用LEVEL旋钮控制每一路耳机的音量。

5. 总输入音量控制

MASTER主音量旋钮控制输入信号的大小，信号电平指示灯显示信号的强度。LEVEL控制每个通道的信号强度。

6. 两个立体声耳机放大器

每个耳机输出有两个，一个3.5mm一个6.35mm，两个接口内部直接并联，所以建议每个通道只有一个耳机接入。



重要注意事项:

1. 将外正内负的9V直流电源插头插入到后部的两个插座内的任意一个。另一个插座可作为其它设备的电源输出。
注意: 确保所有设备的电源功耗不超过电源的供电能力。
2. 将单声道或立体声音源插入到相应的输入口。对于非平衡输出系统使用标准的6.35mm单声道插头，此时须将拨档开关拨到unbalanced位置。对于平衡输出系统使用标准的6.35mm立体声插头，此时须将拨档开关拨到balanced位置。
3. 如有必要可使用RCA插头插入到AUX IN插口。其中白色插座为左声道，红色插座为右声道。

技术规格

- 输入阻抗：10kΩ
- 输出阻抗：10kΩ
- 动态范围：96dBu
- 信号噪声比：-94dBu
- 频率响应：20Hz-20kHz -1dB~0.5dB
- THD+N：0.027%(0dBu)
- 耳机输出功率：30mW/每通道
- 信号指示灯：-10dBu
- 工作电压：9V
- 工作电流：240mA
- 电源：DC 9V
- 尺寸：121(L)x84(W)x55(H)mm
- 重量：350克

使用环境

- 使用环境：
 - 1、避免在高温、潮湿、零下等恶劣的环境中使用。
 - 2、避免在强光下使用。
- 请勿自行拆卸本机。
- 请保存好本手册以便以后查阅。

随机附件

- 使用说明书

质量承诺

亲爱的 **NUX** 用户：
在您使用 **NUX** 产品时，请仔细阅读产品说明书，当您有疑问和困难时，请拨打售后服务热线：

400-990-9866

- 一周内出现质量问题可退货退款
- 一月内出现质量问题可调换
- 一年内出现质量问题可免费维修
- 终身享有咨询和维修服务

【请向销售商索取有效购买凭证并予以保存】

换修政策

一、包换政策：

- 1、消费者自购机之日起1个月之内，在正常使用情况下，出现非人为的产品性能故障，且产品外观及包装保持完好的可向所购机的经销商换机。
- 2、消费者在换机时应出示由经销商开出的购机收据及保修卡，否则经销商可以不予更换。

二、保修政策：

产品在购买之日起1年内，可免费享有维修服务；对于超过1年的产品及人为或不可抗力因素造成损坏的产品，我司可提供有偿维修服务。

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